

A **MANLEY** VALVE FOR EVERY APPLICATION

CHOOSE FROM ONE OF FIVE SERIES OF STAINLESS VALVES

PERFORMANCE SERIES

- ✓ Stainless Steel (XH-422 Exhaust and NK-840 Intake)
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined
- ✓ Stock and .100" Longer Lengths Available



STREET SERIES

- ✓ Stainless Steel (XH-424 Exhaust and NK-841 Intake)
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined
- ✓ Street Master (Straight Stem) and Street Flo Shapes Available



RACE SERIES

- ✓ Stainless Steel (XH-426 Exhaust and NK-842 Intake)
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined
- ✓ Race Master (Straight Stem) and Race Flo Shapes Available
- ✓ Recommended Exhaust Valves for Alcohol Engines



SEVERE DUTY[®] SERIES

- ✓ Superior Stainless for High Temperature Gasoline Engines
- ✓ Exhaust Material XH-428 with Double the Ultimate Tensile Strength (at 1500° F) over the competition
- ✓ Intake Material NK-844 with 1000 Times Better Fatigue Strength than competitors' offerings.

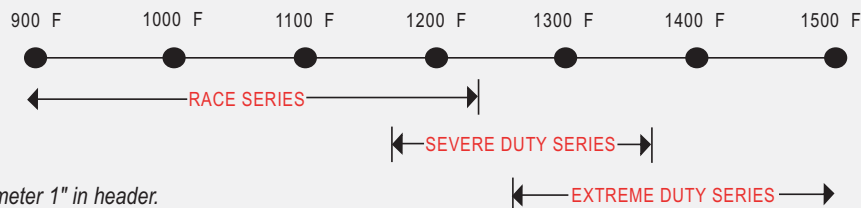


EXTREME DUTY SERIES

- ✓ Top Fuel, Funny Car and Marine Engine Exhaust Valves
- ✓ More Hot Hardness and High Temperature Strength than any competitive offerings
- ✓ XH-432 XtremeAlloy



EXHAUST VALVE TEMPERATURE RANGE CHART



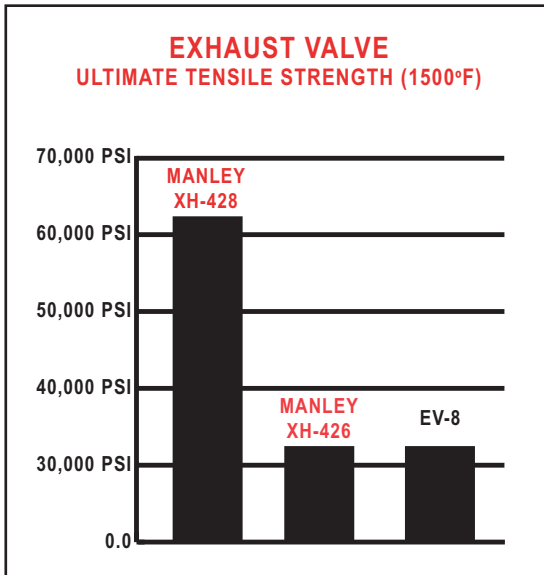
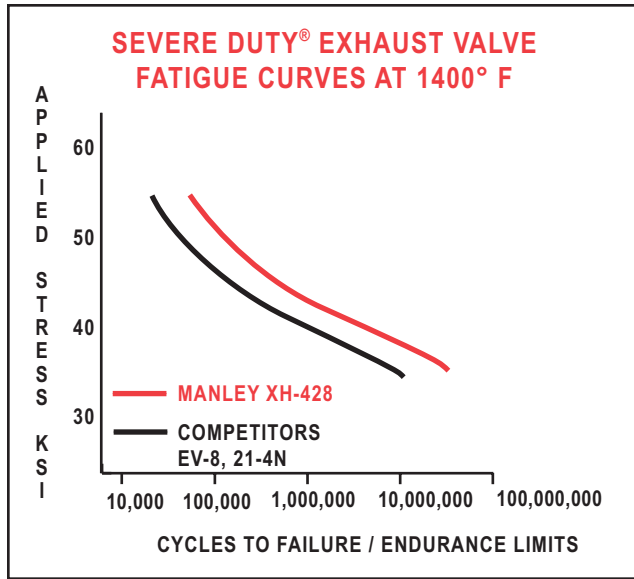
Temperatures at pyrometer 1" in header.

STAINLESS VALVES

VALVES

Manley Performance is universally acknowledged as the leading manufacturer of performance and racing valves in the world.

The reason for Manley's overwhelming success is simple: QUALITY. We offer the best materials in the industry - exclusive materials our competitors do not possess. Our stems are hard coated with .0002" thick chrome rather than a few millionths of flash. Our hard tips are superior to competitors' puddled stellite which can crack and erode off the stem. Our valve head and underhead shapes have been in the forefront of the quest for improved flow since the late 1960's. And always each Manley valve has been price targeted to specific markets to ensure the best possible value to the customer.

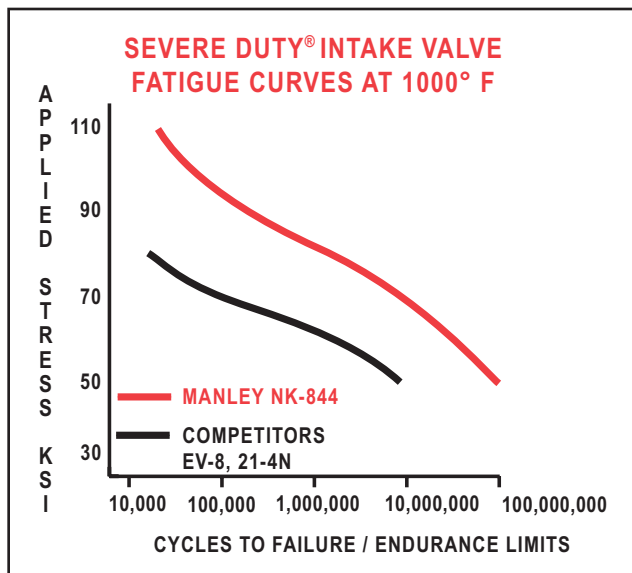


RACE MASTER VALVES

Race Master, and the Pro Flo versions identified as Race Flo valves, are manufactured of XH-426 material for the exhausts and NK-842 for the intakes. This series of valves is targeted at the bracket, drag and oval track racers operating below 8000 rpm - above which engine speed titanium is required. Any engine builder successfully using EV-8 alloy (21-4N) valves will find in this series of Manley valves a superior piece at a most attractive price. The Ultimate Tensile Strength charts on this page and the next, show the Manley Race Series to be equal to the best that the competitors have to offer.

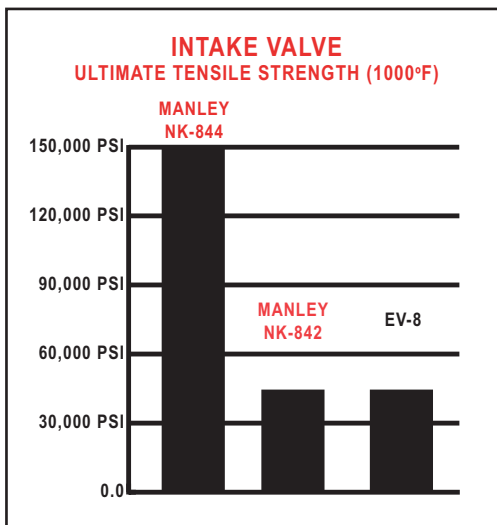
PERFORMANCE & STREET SERIES VALVES

Designed for the enthusiast preparing a stock or mildly modified street engine, or a bracket racer seeking maximum value for his dollar, the Performance or Street Series valves are the perfect choice. These dependable valves are also offered in Street Flo versions providing significant flow gains without head porting. All valves in both these series feature chrome stems, hard tips, swirl polished underhead areas, and fully machined combustion faces.



SEVERE DUTY® VALVES

The Severe Duty® series of valves is the Manley signature in the performance and racing industry. Exhaust material XH-428 and intake material NK-844 is offered by no competitor in the world. And no pair of materials show such clear dominance over all others. Ultimate tensile strength of XH-428 at 1500°F is nearly double the competitors' EV-8. At 1000°F the Manley NK-844 displays more than four times the ultimate tensile of the competition's best intake material.

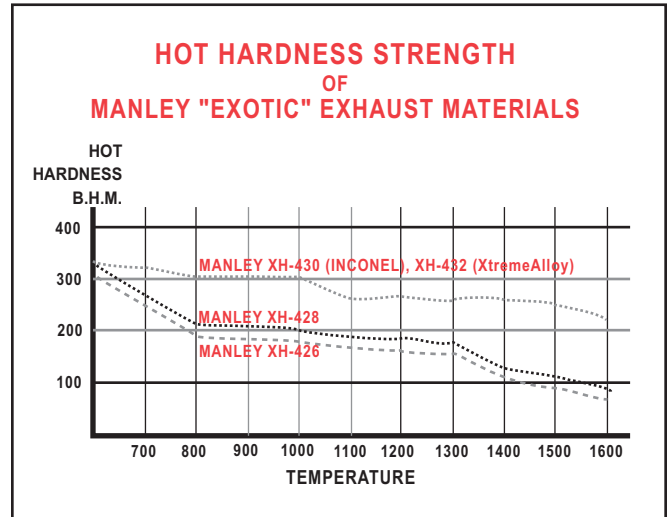


Further proof of the superiority of the Manley Severe Duty® valves is evident in our comprehensive fatigue tests. In normal operation where valve float is non-existent, a valve will experience 20,000 to 25,000 lbs of applied stress. However, when valves bounce on the seat the stress immediately soars to 40,000 to 60,000 lbs. Manley exhaust valves (at 40,000 psi and 1400°F) ran to 100,000,000 (one hundred million) cycles while competitors' offerings failed at 100,000 cycles. That's 1000 times better fatigue life.

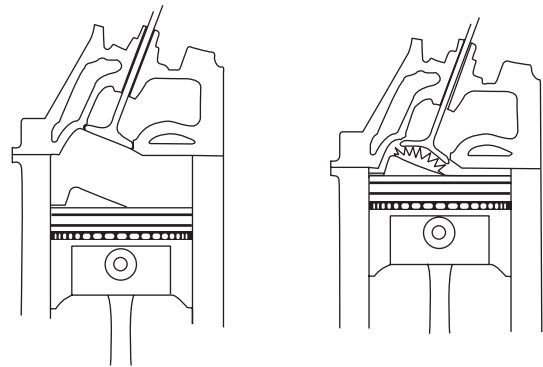
EXTREME DUTY VALVES

Top Fuel and Funny Car drag racers, Big Block Chevy marine enthusiasts, and Small Block Chevy restricted carburetor circle track competitors will all benefit by the use of Inconel and XtremeAlloy exhaust valves. Exotic steel is required simply because of the enormous heat imposed on the exhaust valves in these applications.

The accompanying graph illustrates the complete superiority of our "exotic" steels over our own XH-428 as well as competitor's EV-8.



In addition to the vastly superior strength and fatigue characteristics of Manley NK-844, our exclusive intake material exhibits an uncanny ability to resist chordal fractures. In an excellent sealing combustion chamber, the intake valve is actually deformed by the fuel explosion and pushed up into the port. The effect of this continuous deformation on competitors' material eventually is a chordal fracture propagating from the circumference of the valve and quickly becoming a missing pie shaped piece. Manley NK-844 is the absolute best choice of material to combat disastrous chordal fractures.



The illustration above shows an intake valve seated in the head with normal shape. The right illustration shows the valve being deformed under high combustion pressure.

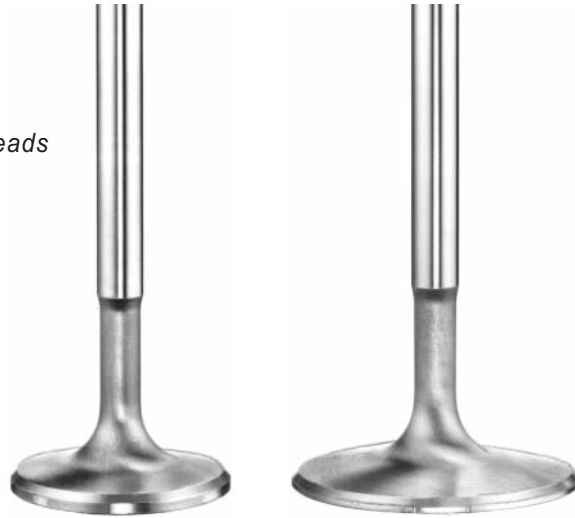
STAINLESS VALVES

VALVES

THE "PRO FLO" SHAPE A MANLEY ORIGINAL

- ✓ Up to 40% flow increase in small port OE style cylinder heads
- ✓ Proven performance improvement on the flow bench

Test for: Hot Rod Magazine
 Tests performed by: Edelbrock
 Type of cylinder head: 1969 Camaro



AVAILABLE IN THREE SERIES OF VALVES

AMOUNT OF NET VALVE LIFT	INTAKE IMPROVEMENT IN FLOW	EXHAUST IMPROVEMENT IN FLOW
.150"	42%	93%
.200"	37%	27%
.250"	25%	23%
.300"	12%	22%
.350"	7%	19%
.400"	5%	14%

Series	"Pro Flo" Designation
Street	Street Flo
Race	Race Flo
Severe Duty	Pro Flo

STAINLESS STEEL & TITANIUM VALVE BUYERS GUIDE

Valve Type	Replacement and Mild Street Performance	Engine Builders Using EV-8 High Perf Street Bracket Racers Oval Track Sportsman Racers	Naturally Aspirated Alcohol Burning Engines	Drag Racing Over 8000 RPM	Offshore Powerboat and Hi Performance Marine	Sprint Car Dirt Late Model
Performance Series	Acceptable					
Street Series	Preferred					
Race Series	Extra Insurance	Acceptable	Preferred Exhaust When Titanium is Not Allowed		Not Recommended	
Severe Duty®		Preferred	Preferred Intake When Titanium is Not Allowed		Required Intake	
Extreme Duty		Preferred with Restricted Carburetor		Top Fuel Funny Car Exhaust Only	Required Exhaust	
Titanium			Preferred	Required Other Than Top Fuel or Funny Car	Race Only	Required

BUICK V-6

STAGE I AND PRODUCTION CAST IRON HEADS SEVERE DUTY® VALVES

- ✓ XH-428 Exhaust Material
- ✓ NK-844 Intake Material
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Machined
- ✓ Intakes are "Pro Flo" for Improved Flow



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11503-6	Exh.	1.500	.3415	Stock	4.725	.270	30° x 7/16"	.075	.090	20° Dish	98
11502-6	Int.	1.710	.3415	Stock	4.730	.270	Pro Flo: 12° x 3/8"	.065	.080	7° Dish	95
11504-6	Int.	1.775	.3415	Stock	4.730	.270	Pro Flo: 12° x 3/8"	.065	.080	7° Dish	97

OLDSMOBILE 330 - 455

SEVERE DUTY® VALVES

- ✓ XH-428 Stainless Exhaust Material
- ✓ NK-844 Stainless Intake Material
- ✓ Hard Tips
- ✓ Swirl Polished
- ✓ Chrome Stems
- ✓ Fully Machined



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head
11547-8	Exh.	1.710	.3420	Stock	4.668	.260	10° x 3/8"	.060	.100	5° Dish
11548-8	Int.	2.072	.3420	Stock	4.713	.260	10° x 3/8"	.050	.080	5° Dish

PONTIAC 400 - 428 - 455

RACE MASTER & RACE FLO VALVES

- ✓ XH-426 Stainless Exhaust Material
- ✓ NK-842 Stainless Intake Material
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head
11353-8	Exh.	1.660	.3415	Stock	5.230	.250	25° x 3/8"	.080	.100	20° Dish
11355-8	Exh.	1.770	.3415	Stock	5.100	.250	25° x 3/8"	.080	.100	20° Dish
11337-8	Exh.	1.770	.3415	Stock	5.230	.250	25° x 3/8"	.080	.100	20° Dish
11352-8	Int.	2.110	.3415	Stock	5.215	.250	Pro Flo 12° x 3/8"	.050	.100	7° Dish
11364-8	Int.	2.110	.3415	Stock	5.100	.250	Pro Flo 12° x 3/8"	.050	.100	7° Dish

Valves 11352 and 11353 fit Edelbrock 72cc cylinder heads. Both intakes have 30° seats.

*Need a different length? Head diameter not listed?
See pages 42 & 43 for Gen II blanks to construct a valve to your exact specifications.*

STAINLESS VALVES

VALVES

LS-1 / LS-2 (LS-6 HEAD) SMALL BLOCK CHEVY

RACE FLO / RACE MASTER VALVES

- ✓ XH-426 Stainless Exhaust Material
- ✓ Chrome Stems and Hard Tips
- ✓ Intakes are "Pro Flo" for Improved Flow
- ✓ NK-842 Stainless Intake Material
- ✓ Swirl Polished and Machined
- ✓ O.E. Style Radius Keeper Grooves

Part No.	Type	Head Diam.	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11361-8	Exh.	1.550	.3136	Stock	4.923	.175	25° x 7/16"	.065	.115	18° Dish	87
11363-8	Exh.	1.575	.3136	Stock	4.923	.175	25° x 7/16"	.065	.115	18° Dish	89
11365-8	Exh.	1.600	.3136	Stock	4.923	.175	25° x 7/16"	.065	.115	18° Dish	91
11360-8	Int.	2.000	.3133	Stock	4.874	.175	Pro Flo: 12° x 3/8"	.050	.095	7° Dish	103
11360H-8	Int.	2.000	.3133	Stock	4.874	.175	Pro Flo: 12° x 3/8"	.050	.095	7° Dish	91
			Hollow Stem								
11362-8	Int.	2.020	.3133	Stock	4.874	.175	Pro Flo: 12° x 3/8"	.050	.095	7° Dish	105
11362H-8	Int.	2.020	.3133	Stock	4.874	.175	Pro Flo: 12° x 3/8"	.050	.095	7° Dish	93
			Hollow Stem								
11390-8	Int.	2.055	.3133	Stock	4.874	.175	Pro Flo: 12° x 3/8"	.050	.095	7° Dish	106
11390H-8	Int.	2.055	.3133	Stock	4.874	.175	Pro Flo: 12° x 3/8"	.050	.095	7° Dish	94
			Hollow Stem								
11398-8	Int.	2.080	.3133	Stock	4.874	.175	Pro Flo: 12° x 3/8"	.050	.095	7° Dish	107
11398H-8	Int.	2.080	.3133	Stock	4.874	.175	Pro Flo: 12° x 3/8"	.050	.095	7° Dish	95
			Hollow Stem								
11350-8	Int.	2.100	.3133	Stock	4.874	.175	Pro Flo: 12° x 3/8"	.050	.095	7° Dish	109
11350H-8	Int.	2.100	.3133	Stock	4.874	.175	Pro Flo: 12° x 3/8"	.050	.095	7° Dish	97
			Hollow Stem								

SEVERE DUTY / PRO FLO VALVES

- ✓ XH-428 Stainless Exhaust Material
- ✓ Chrome Stems and Hard Tips
- ✓ Intakes are "Pro Flo" for Improved Flow
- ✓ NK-844 Stainless Intake Material
- ✓ Swirl Polished and Machined
- ✓ O.E. Style Radius Keeper Grooves



Part No.	Type	Head Diam.	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11673-8	Exh.	1.550	.3136	Stock	4.923	.175	25° x 7/16"	.065	.115	18° Dish	88
11675-8	Exh.	1.575	.3136	Stock	4.923	.175	25° x 7/16"	.065	.115	18° Dish	90
11677-8	Exh.	1.600	.3136	Stock	4.923	.175	25° x 7/16"	.065	.115	18° Dish	92
11680-8	Int.	2.055	.3133	Stock	4.874	.175	Pro Flo: 12° x 3/8"	.050	.095	7° Dish	107
11680H-8	Int.	2.055	.3133	Stock	4.874	.175	Pro Flo: 12° x 3/8"	.050	.095	7° Dish	95
			Hollow Stem								
11682-8	Int.	2.080	.3133	Stock	4.874	.175	Pro Flo: 12° x 3/8"	.050	.095	7° Dish	108
11682H-8	Int.	2.080	.3133	Stock	4.874	.175	Pro Flo: 12° x 3/8"	.050	.095	7° Dish	96
			Hollow Stem								
11684-8	Int.	2.100	.3133	Stock	4.874	.175	Pro Flo: 12° x 3/8"	.050	.095	7° Dish	110
11684H-8	Int.	2.100	.3133	Stock	4.874	.175	Pro Flo: 12° x 3/8"	.050	.095	7° Dish	98
			Hollow Stem								

EXTREME DUTY EXHAUST VALVES

- ✓ XH-432 XtremeAlloy Material
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Machined



Part No.	Type	Head Diam.	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11681-8	Exh.	1.575	.3136	Stock	4.923	.175	25° x 7/16"	.065	.115	18° Dish	90
11683-8	Exh.	1.600	.3136	Stock	4.923	.175	25° x 7/16"	.065	.115	18° Dish	92

LS-3 / L-99 (L-92 HEAD) SMALL BLOCK CHEVY

RACE FLO / RACE MASTER VALVES

- ✓ XH-426 Stainless Exhaust Material
- ✓ Chrome Stems and Hard Tips
- ✓ Intakes are "Pro Flo" for Improved Flow
- ✓ NK-842 Stainless Intake Material
- ✓ Swirl Polished and Machined
- ✓ O.E. Style Radius Keeper Grooves

Part No.	Type	Head Diam.	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11621-8	Exh.	1.590	.3136	Stock	4.923	.160	25° x 7/16"	.070	.115	18° Dish	93
11620-8	Int.	2.165	.3133	Stock	4.900	.160	Pro Flo: 12° x 3/8"	.055	.100	7° Dish	117
11620H-8	Int.	2.165	.3133	Stock	4.900	.160	Pro Flo: 12° x 3/8"	.055	.100	7° Dish	108
			Hollow Stem								

SEVERE DUTY / PRO FLO VALVES

- ✓ XH-428 Stainless Exhaust Material
- ✓ Chrome Stems and Hard Tips
- ✓ Intakes are "Pro Flo" for Improved Flow
- ✓ NK-844 Stainless Intake Material
- ✓ Swirl Polished and Machined
- ✓ O.E. Style Radius Keeper Grooves



Part No.	Type	Head Diam.	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11661-8	Exh.	1.590	.3136	Stock	4.923	.160	25° x 7/16"	.070	.115	18° Dish	94
11686-8	Int.	2.165	.3133	Stock	4.900	.160	Pro Flo: 12° x 3/8"	.055	.100	7° Dish	118
11686H-8	Int.	2.165	.3133	Stock	4.900	.160	Pro Flo: 12° x 3/8"	.055	.100	7° Dish	109
			Hollow Stem								

EXTREME DUTY EXHAUST VALVES

- ✓ XH-432 XtremeAlloy Material
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Machined



Part No.	Type	Head Diam.	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11685-8	Exh.	1.590	.3136	Stock	4.923	.160	25° x 7/16"	.070	.115	18° Dish	94

LS-7 SMALL BLOCK CHEVY

SEVERE DUTY / PRO FLO VALVES

- ✓ XH-428 Stainless Exhaust Material
- ✓ Chrome Stems and Hard Tips
- ✓ Intakes are "Pro Flo" for Improved Flow
- ✓ NK-844 Stainless Intake Material
- ✓ Swirl Polished and Machined
- ✓ O.E. Style Radius Keeper Grooves



Part No.	Type	Head Diam.	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11679-8	Exh.	1.610	.3136	Stock	5.230	.290	25° x 7/16"	.075	.100	18° Dish	103
11688-8	Int.	2.205	.3133	Stock	5.200	.300	Pro Flo: 12° x 3/8"	.050	.085	7° Dish	120
11688H-8	Int.	2.205	.3133	Stock	5.200	.300	Pro Flo: 12° x 3/8"	.050	.085	7° Dish	110
			Hollow Stem								

EXTREME DUTY EXHAUST VALVES

- ✓ XH-432 XtremeAlloy Material
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Machined



Part No.	Type	Head Diam.	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11687-8	Exh.	1.610	.3136	Stock	5.230	.290	25° x 7/16"	.075	.100	18° Dish	103

STAINLESS VALVES

VALVES

SMALL BLOCK CHEVROLET BUDGET REPLACEMENT VALVES

- ✓ XH-422 Stainless Exhaust Material
- ✓ NK-840 Stainless Intake Material
- ✓ Chrome Stems and Hard Tips
- ✓ Original Underhead Shapes and Finishes



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
10077-8	Exh.	1.500	.3415	Stock	4.920	.290	Stock	.100	.150	Dimple	106
10649-8	Exh.	1.600	.3415	Stock	4.910	.290	Stock	.070	.150	Dimple	105
10476-8	Int.	1.940	.3415	Stock	4.880	.250	Stock	.065	.125	Dimple	116
10650-8	Int.	2.020	.3415	Stock	4.880	.260	Stock	.060	.120	Flat Face	117

SMALL BLOCK CHEVROLET BUDGET PERFORMANCE VALVES

- ✓ XH-422 Stainless Exhaust Material
- ✓ NK-840 Stainless Intake Material
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
10577-8	Exh.	1.500	.3415	Stock	4.911	.250	15° x 1/2"	.060	.100	10° Dish	96
10549-8	Exh.	1.600	.3415	Stock	4.911	.250	15° x 1/2"	.060	.100	10° Dish	101
10551-8	Exh.	1.600	.3415	.100 Longer	5.011	.250	15° x 1/2"	.060	.100	10° Dish	103
10548-8	Int.	1.900	.3415	Stock	4.911	.250	10° x 3/8"	.050	.080	6° Dish	105
10576-8	Int.	1.940	.3415	Stock	4.911	.250	10° x 3/8"	.050	.080	6° Dish	105
10550-8	Int.	2.020	.3415	Stock	4.911	.250	10° x 3/8"	.050	.080	6° Dish	109
10552-8	Int.	2.020	.3415	.100 Longer	5.011	.250	10° x 3/8"	.050	.080	6° Dish	111
10554-8	Int.	2.055	.3415	Stock	4.911	.250	10° x 3/8"	.050	.080	6° Dish	110
10556-8	Int.	2.055	.3415	.100 Longer	5.011	.250	10° x 3/8"	.050	.080	6° Dish	112

SMALL BLOCK CHEVROLET STREET FLO VALVES

- ✓ XH-424 Stainless Exhaust Material
- ✓ NK-841 Stainless Intake Material
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined
- ✓ Increased Flow with "Pro Flo" Underhead



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
10721-8	Exh.	1.500	.3415	Stock	4.911	.250	Pro Flo: 12° x 3/8"	.060	.100	7° Dish	89
10765-8	Exh.	1.600	.3415	Stock	4.911	.250	Pro Flo: 12° x 3/8"	.060	.100	7° Dish	94
10722-8	Int.	1.940	.3415	Stock	4.911	.250	Pro Flo: 10° x 3/8"	.050	.080	5° Dish	107
10764-8	Int.	2.000	.3415	Stock	4.911	.250	Pro Flo: 10° x 3/8"	.050	.080	6° Dish	108
10766-8	Int.	2.020	.3415	Stock	4.911	.250	Pro Flo: 10° x 3/8"	.050	.080	6° Dish	109

The 10764 will work on the new Chevy Vortec Bowtie cylinder head casting number 25534351C and 25534371C.
See page 3 for a description of our valve materials.

SMALL BLOCK CHEVROLET STREET MASTER VALVES

- ✓ XH-424 Stainless Exhaust Material
- ✓ NK-841 Stainless Intake Material
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined
- ✓ Straight Stems



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
10777-8	Exh.	1.500	.3415	Stock	4.911	.250	15° x 1/2"	.060	.100	10° Dish	96
10747-8	Exh.	1.560	.3415	Stock	4.911	.250	15° x 1/2"	.060	.100	10° Dish	99
10749-8	Exh.	1.600	.3415	Stock	4.911	.250	15° x 1/2"	.060	.100	10° Dish	101
10751-8	Exh.	1.600	.3415	.100 Longer	5.011	.250	15° x 1/2"	.060	.100	10° Dish	103
10776-8	Int.	1.940	.3415	Stock	4.911	.250	10° x 3/8"	.050	.080	6° Dish	105
10750-8	Int.	2.020	.3415	Stock	4.911	.250	10° x 3/8"	.050	.080	6° Dish	109
10752-8	Int.	2.020	.3415	.100 Longer	5.011	.250	10° x 3/8"	.050	.080	6° Dish	111
10754-8	Int.	2.055	.3415	Stock	4.911	.250	10° x 3/8"	.050	.080	6° Dish	110
10756-8	Int.	2.055	.3415	.100 Longer	5.011	.250	10° x 3/8"	.050	.080	6° Dish	112

The 10747 will work on the new Chevy Vortec Bowtie cylinder head casting number 25534351C and 25534371C.
See page 3 for a description of our valve materials.

STAINLESS VALVES

VALVES

SMALL BLOCK CHEVROLET

RACE FLO VALVES

- ✓ XH-426 Stainless Exhaust Material
- ✓ NK-842 Stainless Intake Material
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined
- ✓ Increased Flow with "Pro Flo" Underhead



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11521-8	Exh.	1.500	.3415	Stock	4.911	.250	Pro Flo: 12° x 3/8"	.060	.100	7° Dish	89
11501-8	Exh.	1.560	.3415	Stock	4.911	.250	Pro Flo: 12° x 3/8"	.060	.100	7° Dish	91
11565-8	Exh.	1.600	.3415	Stock	4.911	.250	Pro Flo: 12° x 3/8"	.060	.100	7° Dish	94
11545-8	Exh.	1.600	.3415	.100 Longer	5.065	.290	Pro Flo: 15° x 1/2"	.090	.100	9° Dish	95
11555-8	Exh.	1.600	.3415	.200 Longer	5.165	.290	Pro Flo: 15° x 1/2"	.090	.100	9° Dish	96
11559-8	Exh.	1.600	.3415	.300 Longer	5.265	.290	Pro Flo: 15° x 1/2"	.090	.100	9° Dish	97
11797-8	Exh.	1.625	.3415	.100 Longer	5.065	.290	Pro Flo: 15° x 1/2"	.090	.100	9° Dish	98
11799-8	Exh.	1.625	.3415	.200 Longer	5.165	.290	Pro Flo: 15° x 1/2"	.090	.100	9° Dish	99
11506-8	Int.	1.840	.3415	Stock	4.911	.250	Pro Flo: 10° x 3/8"	.060	.080	5° Dish	104
11522-8	Int.	1.940	.3415	Stock	4.911	.250	Pro Flo: 10° x 3/8"	.050	.080	5° Dish	107
11500-8	Int.	2.000	.3415	Stock	4.911	.250	Pro Flo: 12° x 3/8"	.050	.080	7° Dish	109
11566-8	Int.	2.020	.3415	Stock	4.911	.250	Pro Flo: 12° x 3/8"	.050	.080	5° Dish	113
11796-8	Int.	2.020	.3415	.100 Longer	5.040	.290	Pro Flo: 12° x 3/8"	.065	.080	7° Dish	115
11568-8	Int.	2.055	.3415	Stock	4.911	.250	Pro Flo: 12° x 3/8"	.050	.080	5° Dish	115
11546-8	Int.	2.055	.3415	.100 Longer	5.040	.290	Pro Flo: 12° x 3/8"	.065	.080	7° Dish	116
11552-8	Int.	2.055	.3415	.200 Longer	5.140	.290	Pro Flo: 12° x 3/8"	.065	.080	7° Dish	117
11556-8	Int.	2.055	.3415	.300 Longer	5.240	.290	Pro Flo: 12° x 3/8"	.065	.080	7° Dish	118
11558-8	Int.	2.080	.3415	Stock	4.940	.290	Pro Flo: 12° x 3/8"	.065	.080	7° Dish	114
11560-8	Int.	2.080	.3415	.100 Longer	5.040	.290	Pro Flo: 12° x 3/8"	.065	.080	7° Dish	115
11564-8	Int.	2.080	.3415	.200 Longer	5.140	.290	Pro Flo: 12° x 3/8"	.065	.080	7° Dish	116
11574-8	Int.	2.080	.3415	.300 Longer	5.240	.290	Pro Flo: 12° x 3/8"	.065	.080	7° Dish	117
11576-8	Int.	2.100	.3415	.100 Longer	5.040	.290	Pro Flo: 12° x 3/8"	.065	.080	7° Dish	116
11584-8	Int.	2.100	.3415	.200 Longer	5.140	.290	Pro Flo: 12° x 3/8"	.065	.080	7° Dish	117
11594-8	Int.	2.100	.3415	.300 Longer	5.240	.290	Pro Flo: 12° x 3/8"	.065	.080	7° Dish	118
11774-8	Int.	2.125	.3415	.100 Longer	5.040	.290	Pro Flo: 12° x 3/8"	.050	.080	7° Dish	118
11776-8	Int.	2.125	.3415	.200 Longer	5.140	.290	Pro Flo: 12° x 3/8"	.050	.080	7° Dish	119
11778-8	Int.	2.125	.3415	.300 Longer	5.240	.290	Pro Flo: 12° x 3/8"	.050	.080	7° Dish	120

Exhaust valves 11501, 11521, 11565, and intake valves 11500, 11522, 11566, and 11568 have a Pro Flo start 1.400" from the head. All others have a Pro Flo start of 1.600" from the head.

See page 3 for a description of our valve materials.

Need a different length? Head diameter not listed?

See pages 42 & 43 for Gen II blanks to construct a valve to your exact specifications.

Note: New part numbers are *ITALICIZED*.

SMALL BLOCK CHEVROLET

RACE MASTER VALVES

- ✓ XH-426 Stainless Exhaust Material
- ✓ NK-842 Stainless Intake Material
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined
- ✓ Straight Stems



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11861-8	Exh.	1.500	.3415	Stock	4.951	.290	15° x 1/2"	.060	.100	9° Dish	96
11301-8	Exh.	1.500	.3415	.100 Longer	5.065	.290	15° x 1/2"	.090	.100	9° Dish	103
11863-8	Exh.	1.600	.3415	Stock	4.951	.290	15° x 1/2"	.060	.100	9° Dish	102
11877-8	Exh.	1.600	.3415	.100 Longer	5.065	.290	15° x 1/2"	.090	.100	9° Dish	109
11321-8	Exh.	1.600	.3415	.200 Longer	5.165	.290	15° x 1/2"	.090	.100	9° Dish	110
11323-8	Exh.	1.600	.3415	.300 Longer	5.265	.290	15° x 1/2"	.090	.100	9° Dish	111
11325-8	Exh.	1.600	.3415	.400 Longer	5.365	.290	15° x 1/2"	.090	.100	9° Dish	112
11327-8	Exh.	1.600	.3415	.500 Longer	5.465	.290	15° x 1/2"	.090	.100	9° Dish	113
11329-8	Exh.	1.625	.3415	Stock	4.965	.290	15° x 1/2"	.090	.100	9° Dish	103
11879-8	Exh.	1.625	.3415	.100 Longer	5.065	.290	15° x 1/2"	.090	.100	9° Dish	110
11331-8	Exh.	1.625	.3415	.200 Longer	5.165	.290	15° x 1/2"	.090	.100	9° Dish	112
11333-8	Exh.	1.625	.3415	.300 Longer	5.265	.290	15° x 1/2"	.090	.100	9° Dish	114
11860-8	Int.	1.940	.3415	Stock	4.951	.290	10° x 3/8"	.050	.080	5° Dish	109
11300-8	Int.	1.940	.3415	.100 Longer	5.040	.290	10° x 3/8"	.050	.080	5° Dish	111
11864-8	Int.	2.020	.3415	Stock	4.951	.290	10° x 3/8"	.050	.080	5° Dish	114
11318-8	Int.	2.020	.3415	.100 Longer	5.040	.290	10° x 3/8"	.050	.080	5° Dish	116
11316-8	Int.	2.020	.3415	.200 Longer	5.140	.290	12° x 3/8"	.065	.080	7° Dish	122
11806-8	Int.	2.055	.3415	Stock	4.940	.290	12° x 3/8"	.065	.080	7° Dish	118
11810-8	Int.	2.055	.3415	.100 Longer	5.040	.290	12° x 3/8"	.065	.080	7° Dish	120
11808-8	Int.	2.080	.3415	Stock	4.940	.290	12° x 3/8"	.065	.080	7° Dish	124
11812-8	Int.	2.080	.3415	.100 Longer	5.040	.290	12° x 3/8"	.065	.080	7° Dish	126
11320-8	Int.	2.080	.3415	.200 Longer	5.140	.290	12° x 3/8"	.065	.080	7° Dish	127
11322-8	Int.	2.080	.3415	.300 Longer	5.240	.290	12° x 3/8"	.065	.080	7° Dish	129
11324-8	Int.	2.080	.3415	.400 Longer	5.340	.290	10° x 3/8"	.065	.080	5° Dish	131
11326-8	Int.	2.080	.3415	.500 Longer	5.440	.290	10° x 3/8"	.065	.080	5° Dish	133
11328-8	Int.	2.100	.3415	.100 Longer	5.040	.290	12° x 3/8"	.065	.080	7° Dish	127
11330-8	Int.	2.100	.3415	.200 Longer	5.140	.290	12° x 3/8"	.065	.080	7° Dish	128
11332-8	Int.	2.100	.3415	.300 Longer	5.240	.290	12° x 3/8"	.065	.080	7° Dish	129
11334-8	Int.	2.100	.3415	.400 Longer	5.340	.290	10° x 3/8"	.065	.080	5° Dish	132
11336-8	Int.	2.100	.3415	.500 Longer	5.440	.290	10° x 3/8"	.065	.080	5° Dish	134
11340-8	Int.	2.125	.3415	.100 Longer	5.040	.290	12° x 3/8"	.065	.080	7° Dish	130
11342-8	Int.	2.125	.3415	.200 Longer	5.140	.290	12° x 3/8"	.065	.080	7° Dish	132
11344-8	Int.	2.125	.3415	.300 Longer	5.240	.290	12° x 3/8"	.065	.080	7° Dish	134
11346-8	Int.	2.125	.3415	.400 Longer	5.340	.290	10° x 3/8"	.065	.080	5° Dish	136
11348-8	Int.	2.125	.3415	.500 Longer	5.440	.290	10° x 3/8"	.065	.080	5° Dish	138

See page 3 for a description of our valve materials.

Need a different length? Head diameter not listed?

See pages 42 & 43 for Gen II blanks to construct a valve to your exact specifications.

STAINLESS VALVES

VALVES

SMALL BLOCK CHEVROLET

RACE MASTER VALVES 5/16" (.311") STEM

- ✓ No Need for Inserted Tips or Wear Caps
- ✓ NK-842 Stainless Intake Material
- ✓ Swirl Polished and Fully Machined
- ✓ XH-426 Stainless Exhaust Material
- ✓ Chrome Stems and Hard Tips
- ✓ Thin Stem for Increased Flow and Light Weight



These .311" stem valves are **ONLY** available with Bead Loc® keeper grooves. Bead Loc® valve locks are **REQUIRED**.

Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11305-8	Exh.	1.600	.3110	.100 Longer	5.040	.290	15° x 1/2"	.080	.100	9° Dish	94
11319-8	Exh.	1.600	.3110	.200 Longer	5.140	.290	15° x 1/2"	.080	.100	9° Dish	95
11335-8	Exh.	1.600	.3110	.300 Longer	5.240	.290	15° x 1/2"	.080	.100	9° Dish	96
11341-8	Exh.	1.600	.3110	.600 Longer	5.540	.290	15° x 1/2"	.080	.100	9° Dish	99
11343-8	Exh.	1.600	.3110	.700 Longer	5.640	.290	15° x 1/2"	.080	.100	9° Dish	100
11303-8	Exh.	1.625	.3110	.100 Longer	5.040	.290	15° x 1/2"	.080	.100	9° Dish	97
11345-8	Exh.	1.625	.3110	.300 Longer	5.240	.290	15° x 1/2"	.080	.100	9° Dish	99
11347-8	Exh.	1.625	.3110	.600 Longer	5.540	.290	15° x 1/2"	.080	.100	9° Dish	102
11349-8	Exh.	1.625	.3110	.700 Longer	5.640	.290	15° x 1/2"	.080	.100	9° Dish	103
11302-8	Int.	1.940	.3110	.100 Longer	5.010	.290	10° x 3/8"	.050	.080	5° Dish	105
11304-8	Int.	2.020	.3110	.100 Longer	5.010	.290	10° x 3/8"	.050	.080	5° Dish	108
11306-8	Int.	2.055	.3110	.100 Longer	5.010	.290	10° x 3/8"	.050	.080	5° Dish	110
11704-8	Int.	2.055	.3110	.200 Longer	5.110	.290	10° x 3/8"	.050	.080	5° Dish	112
11706-8	Int.	2.080	.3110	.100 Longer	5.010	.290	10° x 3/8"	.050	.080	5° Dish	112
11708-8	Int.	2.080	.3110	.200 Longer	5.110	.290	10° x 3/8"	.050	.080	5° Dish	113

Dodge 5.9 L, 360 CID Magnum Series engines can use 11303 exhaust valves and 11302 intake valves with aftermarket locks and retainers.

RPMS AND THIN STEM VALVES

Use of the thin stem valves listed on pages 14, 15, and 25 will enable an engine to achieve higher rpm levels. Strict vigilance must be maintained to keep the engine from rpm's that cause valve float. When valves float (bounce on the seat) the stresses rapidly increase and the fatigue life of the valves is dramatically reduced. These valves are heavier than titanium and require additional spring pressure to operate at comparable rpm ranges.

To help the engine avoid a valve float condition, purchase - and maintain - the best valve springs available. Use lightweight titanium retainers and titanium valve locks. Use quality pushrods. Operate the engine within predetermined rpm limits.

ROCKERS AND THIN STEM VALVES

When using Chevrolet valves with stem sizes 5/16" or less in diameter as listed on pages 14, 15 and 25, it is advised to use a shaft type rocker which keeps the rocker tip basically centered on the valve. If increased tip area is needed, utilize a wear cap, but be cognizant of the fact that the cap adds to the weight of the valve train thus reducing the rpm potential of the engine.

Need a different length? Head diameter not listed?
 See pages 42 & 43 for Gen II blanks to construct a valve to your exact specifications.

Note: New part numbers are **ITALICIZED**.

SMALL BLOCK CHEVROLET

SEVERE DUTY® VALVES 5/16" (.311") STEM

- ✓ No Need for Inserted Tips or Wear Caps
- ✓ NK-844 Stainless Intake Material
- ✓ Swirl Polished and Fully Machined
- ✓ XH-428 Stainless Material
- ✓ Chrome Stems and Hard Tips
- ✓ Thin Stem for Increased Flow and Light Weight



Hollow .311" stem Gen II blank P/N 11224H can be found on page 42 to support your custom requirements.

These .311" stem valves are ONLY available with Bead Loc® keeper grooves. Bead Loc® valve locks are REQUIRED.

Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11231-8	Exh.	1.600	.3110	.100 Longer	5.040	.290	15° x 1/2"	.080	.100	9° Dish	94
11351-8	Exh.	1.600	.3110	.200 Longer	5.140	.290	15° x 1/2"	.080	.100	9° Dish	95
11357-8	Exh.	1.600	.3110	.300 Longer	5.240	.290	15° x 1/2"	.080	.100	9° Dish	96
11359-8	Exh.	1.600	.3110	.600 Longer	5.540	.290	15° x 1/2"	.080	.100	9° Dish	99
11387-8	Exh.	1.600	.3110	.700 Longer	5.640	.290	15° x 1/2"	.080	.100	9° Dish	100
11389-8	Exh.	1.625	.3110	.300 Longer	5.240	.290	15° x 1/2"	.080	.100	9° Dish	99
11397-8	Exh.	1.625	.3110	.600 Longer	5.540	.290	15° x 1/2"	.080	.100	9° Dish	102
11399-8	Exh.	1.625	.3110	.700 Longer	5.640	.290	15° x 1/2"	.080	.100	9° Dish	103
11230-8	Int.	1.940	.3110	.100 Longer	5.010	.290	12° x 3/8"	.050	.080	7° Dish	105
11232-8	Int.	2.020	.3110	.100 Longer	5.010	.290	12° x 3/8"	.050	.080	7° Dish	108
11234-8	Int.	2.055	.3110	.100 Longer	5.010	.290	12° x 3/8"	.050	.080	7° Dish	110
11234H-8	Int.	2.055	.3110	.100 Longer	5.010	.290	12° x 3/8"	.050	.080	7° Dish	98
			Hollow Stem								
11710-8	Int.	2.055	.3110	.200 Longer	5.110	.290	12° x 3/8"	.050	.080	7° Dish	112
11710H-8	Int.	2.055	.3110	.200 Longer	5.110	.290	12° x 3/8"	.050	.080	7° Dish	100
			Hollow Stem								
11712-8	Int.	2.080	.3110	.100 Longer	5.010	.290	12° x 3/8"	.050	.080	7° Dish	112
11712H-8	Int.	2.080	.3110	.100 Longer	5.010	.290	12° x 3/8"	.050	.080	7° Dish	100
			Hollow Stem								
11714-8	Int.	2.080	.3110	.200 Longer	5.110	.290	12° x 3/8"	.050	.080	7° Dish	113
11714H-8	Int.	2.080	.3110	.200 Longer	5.110	.290	12° x 3/8"	.050	.080	7° Dish	101
			Hollow Stem								

See page 14 for information about rpm limitations and rocker arms.

SMALL BLOCK CHEVROLET

SEVERE DUTY® VALVES 7 MM (.274") STEM

- ✓ No Need for Inserted Tips or Wear Caps
- ✓ NK-844 Stainless Intake Material
- ✓ Swirl Polished and Fully Machined
- ✓ XH-428 Stainless Material
- ✓ Chrome Stems and Hard Tips
- ✓ Thin Stem for Increased Flow and Light Weight



These .274" stem valves are ONLY available with Bead Loc® keeper grooves. Bead Loc® valve locks are REQUIRED.

Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11235-8	Exh.	1.600	.2740	.100 Longer	5.040	.290	15° x 1/2"	.080	.100	9° Dish	84
11236-8	Int.	1.940	.2740	.100 Longer	5.010	.290	10° x 3/8"	.050	.080	5° Dish	95
11238-8	Int.	2.020	.2740	.100 Longer	5.010	.290	10° x 3/8"	.050	.080	5° Dish	98
11240-8	Int.	2.055	.2740	.100 Longer	5.010	.290	10° x 3/8"	.050	.080	5° Dish	100

See page 14 for information about rpm limitations and rocker arms.

*Need a different length? Head diameter not listed?
See pages 42 & 43 for Gen II blanks to construct a valve to your exact specifications.*

Note: New part numbers are **ITALICIZED**.

STAINLESS VALVES

VALVES

SMALL BLOCK CHEVROLET SEVERE DUTY® EXHAUST VALVES

- ✓ XH-428 Stainless Material
- ✓ Chrome Stems
- ✓ Hard Tips
- ✓ Swirl Polished
- ✓ Fully Machined



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11567-8	Exh.	1.500	.3415	Stock	4.911	.250	10° x 3/8"	.060	.100	7° Dish	92
11887-8	Exh.	1.500	.3415	.100 Longer	5.036	.250	15° x 1/2"	.085	.085	10° Dish	94
11747-8	Exh.	1.500	.3415	.200 Longer	5.140	.290	15° x 1/2"	.085	.100	9° Dish	101
11543-8	Exh.	1.600	.3415	Stock	4.911	.250	10° x 3/8"	.060	.100	7° Dish	95
11595-8	Exh.	1.600	.3415	Stock	4.936	.250	10° x 3/8"	.085	.085	Flat Face	100
11539-8	Exh.	1.600	.3415	.100 Longer	5.036	.250	10° x 3/8"	.085	.085	7° Dish	102
11865-8	Exh.	1.600	.3415	.200 Longer	5.121	.250	15° x 1/2"	.070	.100	9° Dish	105
11551-8	Exh.	1.600	.3415	Stock	4.921	.250	30° x 1/2"	.070	.100	25° Dish	106
11869-8	Exh.	1.600	.3415	.100 Longer	5.021	.250	30° x 1/2"	.070	.100	25° Dish	109
11771-8	Exh.	1.600	.3415	.200 Longer	5.121	.250	30° x 1/2"	.070	.100	25° Dish	111
11785-8	Exh.	1.600	.3415	.300 Longer	5.221	.250	30° x 1/2"	.070	.100	25° Dish	113
11573-8	Exh.	1.600	.3415	Stock	4.965	.290	15° x 1/2"	.090	.100	9° Dish	107
11749-8	Exh.	1.600	.3415	.100 Longer	5.065	.290	15° x 1/2"	.090	.100	9° Dish	108
11751-8	Exh.	1.600	.3415	.200 Longer	5.165	.290	15° x 1/2"	.090	.100	9° Dish	110
11753-8	Exh.	1.600	.3415	.300 Longer	5.265	.290	15° x 1/2"	.090	.100	9° Dish	111
11755-8	Exh.	1.600	.3415	.400 Longer	5.365	.290	15° x 1/2"	.090	.100	9° Dish	112
11513-8	Exh.	1.600	.3415	.500 Longer	5.465	.290	15° x 1/2"	.090	.100	9° Dish	113
11767-8	Exh.	1.600	.3415	.600 Longer	5.565	.290	15° x 1/2"	.090	.100	9° Dish	114
11541-8	Exh.	1.625	.3415	Stock	4.911	.250	15° x 1/2"	.060	.100	9° Dish	95
11585-8	Exh.	1.625	.3415	Stock	4.936	.250	15° x 1/2"	.085	.100	9° Dish	106
11537-8	Exh.	1.625	.3415	.100 Longer	5.036	.250	15° x 1/2"	.085	.100	9° Dish	102
11871-8	Exh.	1.625	.3415	.200 Longer	5.121	.250	15° x 1/2"	.070	.100	9° Dish	105
11557-8	Exh.	1.625	.3415	Stock	4.921	.250	30° x 1/2"	.070	.100	25° Dish	109
11569-8	Exh.	1.625	.3415	.100 Longer	5.021	.250	30° x 1/2"	.070	.100	25° Dish	111
11571-8	Exh.	1.625	.3415	.200 Longer	5.121	.250	30° x 1/2"	.070	.100	25° Dish	113
11579-8	Exh.	1.625	.3415	.300 Longer	5.221	.250	30° x 1/2"	.070	.100	25° Dish	115
11851-8	Exh.	1.625	.3415	.100 Longer	5.065	.290	15° x 1/2"	.090	.100	9° Dish	109
11577-8	Exh.	1.625	.3415	.200 Longer	5.165	.290	15° x 1/2"	.090	.100	9° Dish	115
11757-8	Exh.	1.625	.3415	.300 Longer	5.265	.290	15° x 1/2"	.090	.100	9° Dish	116
11759-8	Exh.	1.625	.3415	.400 Longer	5.365	.290	15° x 1/2"	.090	.100	9° Dish	117
11511-8	Exh.	1.625	.3415	.500 Longer	5.465	.290	15° x 1/2"	.090	.100	9° Dish	118
11763-8	Exh.	1.625	.3415	.600 Longer	5.565	.290	15° x 1/2"	.090	.100	9° Dish	122

See page 3 for a description of our valve materials.

Need a different length? Head diameter not listed?
 See pages 42 & 43 for Gen II blanks to construct a valve to your exact specifications.

SMALL BLOCK CHEVROLET SEVERE DUTY® INTAKE VALVES

- ✓ NK-844 Stainless Material
- ✓ Hard Tips
- ✓ Fully Machined
- ✓ Chrome Stems
- ✓ Swirl Polished



Want a hollow stem Severe Duty® intake? It's as easy as 1-2-3. Refer to Gen II blank P/N 11254H on page 42 to support your custom requirements.

Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11540-8	Int.	1.720	.3415	.100 Longer	5.011	.250	10° x 3/8"	.050	.080	5° Dish	99
11716-8	Int.	1.720	.3415	.200 Longer	5.140	.290	10° x 3/8"	.050	.100	5° Dish	103
11542-8	Int.	1.840	.3415	.100 Longer	5.011	.250	10° x 3/8"	.050	.080	5° Dish	106
11820-8	Int.	1.840	.3415	.200 Longer	5.140	.290	10° x 3/8"	.050	.100	5° Dish	110
11592-8	Int.	1.937	.3415	Stock	4.911	.250	10° x 3/8"	.050	.080	5° Dish	109
11886-8	Int.	1.940	.3415	.100 Longer	5.011	.250	10° x 3/8"	.050	.100	5° Dish	111
11748-8	Int.	1.940	.3415	.200 Longer	5.140	.290	10° x 3/8"	.050	.100	5° Dish	115
11596-8	Int.	2.020	.3415	Stock	4.911	.250	10° x 3/8"	.050	.080	7° Dish	111
11826-8	Int.	2.020	.3415	.100 Longer	5.026	.250	10° x 3/8"	.065	.080	5° Dish	113
11544-8	Int.	2.020	.3415	.200 Longer	5.140	.290	10° x 3/8"	.065	.080	5° Dish	125
11598-8	Int.	2.055	.3415	Stock	4.911	.250	12° x 3/8"	.050	.080	7° Dish	113
11828-8	Int.	2.055	.3415	Stock	4.926	.250	12° x 3/8"	.065	.080	Flat Face	128
11846-8	Int.	2.055	.3415	.100 Longer	5.026	.250	12° x 3/8"	.065	.080	7° Dish	125
11700-8	Int.	2.055	.3415	.200 Longer	5.140	.290	12° x 3/8"	.065	.080	7° Dish	127
11818-8	Int.	2.080	.3415	Stock	4.926	.250	12° x 3/8"	.065	.080	Flat Face	131
11844-8	Int.	2.080	.3415	.100 Longer	5.026	.250	12° x 3/8"	.065	.080	7° Dish	126
11858-8	Int.	2.080	.3415	.200 Longer	5.140	.290	12° x 3/8"	.065	.080	7° Dish	129
11762-8	Int.	2.080	.3415	.300 Longer	5.240	.290	12° x 3/8"	.065	.080	7° Dish	131
11764-8	Int.	2.080	.3415	.400 Longer	5.340	.290	12° x 3/8"	.065	.080	7° Dish	132
11512-8	Int.	2.080	.3415	.500 Longer	5.440	.290	12° x 3/8"	.065	.080	7° Dish	134
11852-8	Int.	2.100	.3415	.100 Longer	5.026	.250	12° x 3/8"	.065	.080	7° Dish	128
11862-8	Int.	2.100	.3415	.200 Longer	5.140	.290	12° x 3/8"	.065	.080	7° Dish	131
11750-8	Int.	2.100	.3415	.300 Longer	5.240	.290	12° x 3/8"	.065	.080	7° Dish	132
11752-8	Int.	2.100	.3415	.400 Longer	5.340	.290	12° x 3/8"	.065	.080	7° Dish	133
11510-8	Int.	2.100	.3415	.500 Longer	5.440	.290	12° x 3/8"	.065	.080	7° Dish	135
11770-8	Int.	2.100	.3415	.600 Longer	5.540	.290	12° x 3/8"	.065	.080	7° Dish	137
11848-8	Int.	2.125	.3415	.100 Longer	5.026	.250	12° x 3/8"	.065	.080	7° Dish	131
11866-8	Int.	2.125	.3415	.200 Longer	5.125	.250	12° x 3/8"	.065	.080	7° Dish	132
11754-8	Int.	2.125	.3415	.300 Longer	5.240	.290	12° x 3/8"	.065	.080	7° Dish	133
11756-8	Int.	2.125	.3415	.400 Longer	5.340	.290	12° x 3/8"	.065	.080	7° Dish	134
11508-8	Int.	2.125	.3415	.500 Longer	5.440	.290	12° x 3/8"	.065	.080	7° Dish	135
11768-8	Int.	2.125	.3415	.600 Longer	5.540	.290	12° x 3/8"	.065	.080	7° Dish	137
11758-8	Int.	2.150	.3415	.400 Longer	5.340	.290	12° x 3/8"	.065	.080	7° Dish	133
11760-8	Int.	2.150	.3415	.500 Longer	5.440	.290	12° x 3/8"	.065	.080	7° Dish	135
11766-8	Int.	2.150	.3415	.600 Longer	5.540	.290	12° x 3/8"	.065	.080	7° Dish	137

See page 3 for a description of our valve materials.

Note: New part numbers are **ITALICIZED**.

Need a different length? Head diameter not listed?

See pages 42 & 43 for Gen II blanks to construct a valve to your exact specifications.

STAINLESS VALVES

VALVES

SMALL BLOCK CHEVROLET SEVERE DUTY® "PRO FLO" VALVES

- ✓ XH-428 Stainless Exhaust Material
- ✓ NK-844 Stainless Intake Material
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined
- ✓ Improved Flow with "Pro Flo" Underhead



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11827-8	Exh.	1.600	.3415	Stock	4.936	.250	Pro Flo: 12° x 3/8"	.085	.080	7° Dish	98
11823-8	Exh.	1.600	.3415	.100 Longer	5.036	.250	Pro Flo: 12° x 3/8"	.085	.080	7° Dish	100
11840-8	Int.	1.937	.3415	Stock	4.911	.250	Pro Flo: 12° x 3/8"	.050	.080	7° Dish	111
11830-8	Int.	2.020	.3415	Stock	4.911	.250	Pro Flo: 12° x 3/8"	.050	.080	7° Dish	114
11882-8	Int.	2.020	.3415	.100 Longer	5.011	.250	Pro Flo: 12° x 3/8"	.050	.080	7° Dish	115
11732-8	Int.	2.055	.3415	Stock	4.911	.250	Pro Flo: 12° x 3/8"	.050	.080	7° Dish	115
11824-8	Int.	2.055	.3415	.100 Longer	5.011	.250	Pro Flo: 12° x 3/8"	.050	.080	7° Dish	116
11734-8	Int.	2.055	.3415	.200 Longer	5.111	.250	Pro Flo: 12° x 3/8"	.050	.080	7° Dish	117
11736-8	Int.	2.080	.3415	Stock	4.911	.250	Pro Flo: 12° x 3/8"	.050	.080	7° Dish	117
11772-8	Int.	2.080	.3415	.100 Longer	5.011	.250	Pro Flo: 12° x 3/8"	.050	.080	7° Dish	118
11738-8	Int.	2.080	.3415	.200 Longer	5.111	.250	Pro Flo: 12° x 3/8"	.050	.080	7° Dish	119
11740-8	Int.	2.080	.3415	.300 Longer	5.211	.250	Pro Flo: 12° x 3/8"	.050	.080	7° Dish	120
11742-8	Int.	2.100	.3415	.100 Longer	5.011	.250	Pro Flo: 12° x 3/8"	.050	.080	7° Dish	119
11744-8	Int.	2.100	.3415	.200 Longer	5.111	.250	Pro Flo: 12° x 3/8"	.050	.080	7° Dish	120
11746-8	Int.	2.100	.3415	.300 Longer	5.211	.250	Pro Flo: 12° x 3/8"	.050	.080	7° Dish	121

SMALL BLOCK CHEVROLET SEVERE DUTY® VALVES LEGAL NHRA SUPER STOCK

- ✓ XH-428 Stainless Exhaust Material
- ✓ NK-844 Stainless Intake Material
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11567-8	Exh.	1.500	.3415	Stock	4.911	.250	10° x 3/8"	.060	.100	7° Dish	92
11887-8	Exh.	1.500	.3415	.100 Longer	5.036	.250	15° x 1/2"	.085	.100	10° Dish	94
11747-8	Exh.	1.500	.3415	.200 Longer	5.140	.290	15° x 1/2"	.085	.100	9° Dish	101
11540-8	Int.	1.720	.3415	.100 Longer	5.011	.250	10° x 3/8"	.050	.080	5° Dish	99
11542-8	Int.	1.840	.3415	.100 Longer	5.011	.250	10° x 3/8"	.050	.080	5° Dish	106
11886-8	Int.	1.940	.3415	.100 Longer	5.011	.250	10° x 3/8"	.050	.100	5° Dish	111
11748-8	Int.	1.940	.3415	.200 Longer	5.140	.290	10° x 3/8"	.050	.100	5° Dish	115

SMALL BLOCK CHEVROLET

EXTREME DUTY EXHAUST VALVES

- ✓ XH-432 XtremeAlloy Material
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11599-8	Exh.	1.600	.3415	.050 Longer	5.015	.290	15° x 1/2"	.080	.100	9° Dish	106
11701-8	Exh.	1.600	.3415	.100 Longer	5.065	.290	15° x 1/2"	.080	.100	9° Dish	108
11705-8	Exh.	1.600	.3415	.200 Longer	5.165	.290	15° x 1/2"	.080	.100	9° Dish	110
11709-8	Exh.	1.600	.3415	.300 Longer	5.265	.290	15° x 1/2"	.080	.100	9° Dish	111
11711-8	Exh.	1.600	.3415	.400 Longer	5.365	.290	15° x 1/2"	.080	.100	9° Dish	112
11713-8	Exh.	1.625	.3415	.100 Longer	5.065	.290	15° x 1/2"	.080	.100	9° Dish	110
11715-8	Exh.	1.625	.3415	.200 Longer	5.165	.290	15° x 1/2"	.080	.100	9° Dish	111
11721-8	Exh.	1.625	.3415	.300 Longer	5.265	.290	15° x 1/2"	.080	.100	9° Dish	112
11725-8	Exh.	1.625	.3415	.400 Longer	5.365	.290	15° x 1/2"	.080	.100	9° Dish	113

See page 3 for a description of our valve materials.

409 CHEVROLET

RACE MASTER VALVES

- ✓ XH-426 Stainless Exhaust Material
- ✓ NK-842 Stainless Intake Material
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined
- ✓ Straight Stems



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11311-8	Exh.	1.735	.3715	Stock	5.105	.225	15° x 1/2"	.080	.100	9° Dish	115
11313-8	Exh.	1.750	.3715	Stock	5.105	.225	15° x 1/2"	.080	.100	9° Dish	117
11310-8	Int.	2.200	.3715	Stock	5.105	.225	12° x 3/8"	.065	.080	7° Dish	139
11312-8	Int.	2.250	.3715	Stock	5.105	.225	12° x 3/8"	.065	.080	7° Dish	141

Need a different length? Head diameter not listed?

See pages 42 & 43 for Gen II blanks to construct a valve to your exact specifications.

STAINLESS VALVES

VALVES

BIG BLOCK CHEVROLET

STREET FLO VALVES STOCK 3/8" STEM DIAMETERS

- ✓ XH-424 Stainless Exhaust Material
- ✓ NK-841 Stainless Intake Material
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined
- ✓ Improved Flow with "Pro Flo" Underhead



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head	Wgt/ Grams
10717-8	Exh.	1.725	.3715	Stock	5.350	.220	Pro Flo: 10° x 3/8"	.060	.100	5° Dish	120
10727-8	Exh.	1.880	.3715	Stock	5.350	.220	Pro Flo: 10° x 3/8"	.060	.100	5° Dish	131
10714-8	Int.	2.065	.3715	Stock	5.218	.220	Pro Flo: 10° x 3/8"	.050	.080	5° Dish	130
10728-8	Int.	2.190	.3715	Stock	5.218	.220	Pro Flo: 10° x 3/8"	.050	.080	5° Dish	135
10726-8	Int.	2.250	.3715	Stock	5.218	.220	Pro Flo: 10° x 3/8"	.050	.080	5° Dish	138

BIG BLOCK CHEVROLET

RACE FLO VALVES STOCK 3/8" STEM DIAMETER

- ✓ XH-426 Stainless Exhaust Material
- ✓ NK-842 Stainless Intake Material
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined
- ✓ Improved Flow with "Pro Flo" Underhead



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head	Wgt/ Grams
11517-8	Exh.	1.725	.3715	Stock	5.350	.220	Pro Flo: 10° x 3/8"	.060	.100	5° Dish	120
11527-8	Exh.	1.880	.3715	Stock	5.350	.220	Pro Flo: 10° x 3/8"	.060	.100	5° Dish	131
11514-8	Int.	2.065	.3715	Stock	5.218	.220	Pro Flo: 10° x 3/8"	.050	.080	5° Dish	130
11528-8	Int.	2.190	.3715	Stock	5.218	.220	Pro Flo: 10° x 3/8"	.050	.080	5° Dish	135
11526-8	Int.	2.250	.3715	Stock	5.218	.220	Pro Flo: 10° x 3/8"	.050	.080	5° Dish	138

BIG BLOCK CHEVROLET RACE MASTER VALVES STOCK 3/8" STEM DIAMETER

- ✓ XH-426 Stainless Exhaust Material
- ✓ NK-842 Stainless Intake Material
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head	Wgt/ Grams
11509-8	Exh.	1.880	.3715	Stock	5.422	.250	15° x 1/2"	.075	.100	9° Dish	139
11515-8	Exh.	1.880	.3715	.100 Longer	5.522	.250	15° x 1/2"	.075	.100	9° Dish	141
11707-8	Exh.	1.900	.3715	Stock	5.422	.250	15° x 1/2"	.075	.100	9° Dish	141
11723-8	Exh.	1.900	.3715	.100 Longer	5.522	.250	15° x 1/2"	.075	.100	9° Dish	143
11849-8	Exh.	1.940	.3715	Stock	5.422	.250	15° x 1/2"	.075	.100	9° Dish	144
11893-8	Exh.	1.940	.3715	.100 Longer	5.522	.250	15° x 1/2"	.075	.100	9° Dish	146
11718-8	Int.	2.190	.3715	Stock	5.244	.250	12° x 3/8"	.050	.080	7° Dish	150
11720-8	Int.	2.190	.3715	.100 Longer	5.344	.250	12° x 3/8"	.050	.080	7° Dish	152
11722-8	Int.	2.250	.3715	Stock	5.244	.250	12° x 3/8"	.050	.080	7° Dish	153
11724-8	Int.	2.250	.3715	.100 Longer	5.344	.250	12° x 3/8"	.050	.080	7° Dish	155
11726-8	Int.	2.300	.3715	Stock	5.244	.250	12° x 3/8"	.050	.080	7° Dish	156
11728-8	Int.	2.300	.3715	.100 Longer	5.344	.250	12° x 3/8"	.050	.080	7° Dish	158

See page 3 for a description of our valve materials.

BIG BLOCK CHEVROLET SEVERE DUTY® VALVES STOCK 3/8" STEM DIAMETERS

- ✓ XH-428 Stainless Exhaust Material
- ✓ NK-844 Stainless Intake Material
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined



Want a hollow stem Severe Duty® intake? It's as easy as 1-2-3. Refer to Gen II blank P/N 11252H on page 42 to support your custom requirements.

Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head	Wgt/ Grams
11553-8	Exh.	1.720	.3715	Stock	5.354	.220	10° x 3/8"	.065	.100	6° Dish	122
11519-8	Exh.	1.725	.3715	.100 Longer	5.464	.220	12° x 3/8"	.075	.100	7° Dish	125
11563-8	Exh.	1.880	.3715	Stock	5.354	.220	10° x 3/8"	.065	.100	6° Dish	134
11525-8	Exh.	1.880	.3715	.100 Longer	5.464	.220	12° x 3/8"	.075	.100	7° Dish	138
11593-8	Exh.	1.900	.3715	Stock	5.364	.220	12° x 3/8"	.075	.100	7° Dish	140
11535-8	Exh.	1.900	.3715	.100 Longer	5.464	.220	12° x 3/8"	.075	.100	7° Dish	142
11561-8	Exh.	1.940	.3715	Stock	5.364	.220	12° x 3/8"	.075	.100	7° Dish	143
11533-8	Exh.	1.940	.3715	.100 Longer	5.464	.220	12° x 3/8"	.075	.100	7° Dish	145
11836-8	Int.	2.065	.3720	Stock	5.218	.220	Pro Flo: 10° x 3/8"	.050	.080	5° Dish	131
11554-8	Int.	2.065	.3720	.100 Longer	5.325	.220	Pro Flo: 12° x 7/16"	.065	.080	7° Dish	138
11520-8	Int.	2.190	.3720	Stock	5.218	.220	10° x 3/8"	.050	.080	7° Dish	145
11832-8	Int.	2.190	.3720	Stock	5.218	.220	Pro Flo: 10° x 3/8"	.050	.080	5° Dish	138
11538-8	Int.	2.190	.3720	.100 Longer	5.325	.220	Pro Flo: 12° x 7/16"	.065	.080	7° Dish	146
11562-8	Int.	2.250	.3720	Stock	5.218	.220	10° x 3/8"	.050	.080	7° Dish	149
11524-8	Int.	2.250	.3720	.100 Longer	5.325	.220	Pro Flo: 12° x 7/16"	.065	.080	7° Dish	153
11534-8	Int.	2.250	.3720	.200 Longer	5.433	.220	Pro Flo: 12° x 7/16"	.065	.080	7° Dish	156
11530-8	Int.	2.300	.3720	.100 Longer	5.325	.220	Pro Flo: 12° x 7/16"	.065	.080	7° Dish	160
11536-8	Int.	2.300	.3720	.200 Longer	5.433	.220	Pro Flo: 12° x 7/16"	.065	.080	7° Dish	168
11570-8	Int.	2.300	.3720	.250 Longer	5.513	.250	Pro Flo: 12° x 7/16"	.065	.080	7° Dish	171

See page 3 for a description of our valve materials.

STAINLESS VALVES

VALVES

BIG BLOCK CHEVROLET

SEVERE DUTY® "PRO FLO" VALVES STOCK 3/8" STEM DIAMETERS

- ✓ XH-428 Stainless Exhaust Material
- ✓ NK-844 Stainless Intake Material
- ✓ Improved Flow with "Pro Flo" Underhead
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined



Want a hollow stem Severe Duty® intake? It's as easy as 1-2-3. Refer to Gen II blank P/N 11252H on page 42 to support your custom requirements.

Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head	Wgt/ Grams
11835-8	Exh.	1.725	.3715	Stock	5.374	.220	Pro Flo: 10° x 3/8"	.085	.100	5° Dish	121
11831-8	Exh.	1.880	.3715	Stock	5.374	.220	Pro Flo: 10° x 3/8"	.085	.100	5° Dish	132
11836-8	Int.	2.065	.3720	Stock	5.218	.220	Pro Flo: 10° x 3/8"	.050	.080	5° Dish	131
11554-8	Int.	2.065	.3720	.100 Longer	5.325	.220	Pro Flo: 12° x 7/16"	.065	.080	7° Dish	138
11832-8	Int.	2.190	.3720	Stock	5.218	.220	Pro Flo: 10° x 3/8"	.050	.080	5° Dish	138
11538-8	Int.	2.190	.3720	.100 Longer	5.325	.220	Pro Flo: 12° x 7/16"	.065	.080	7° Dish	146
11524-8	Int.	2.250	.3720	.100 Longer	5.325	.220	Pro Flo: 12° x 7/16"	.065	.080	7° Dish	162
11534-8	Int.	2.250	.3720	.200 Longer	5.433	.220	Pro Flo: 12° x 7/16"	.065	.080	7° Dish	164
11530-8	Int.	2.300	.3720	.100 Longer	5.325	.220	Pro Flo: 12° x 7/16"	.065	.080	7° Dish	160
11536-8	Int.	2.300	.3720	.200 Longer	5.433	.220	Pro Flo: 12° x 7/16"	.065	.080	7° Dish	168
11570-8	Int.	2.300	.3720	.250 Longer	5.513	.250	Pro Flo: 12° x 7/16"	.065	.080	7° Dish	171

See page 3 for a description of our valve materials.

BIG BLOCK CHEVROLET

EXTREME DUTY & MARINE VALVES STOCK 3/8" STEM DIAMETERS

- ✓ XH-432 XtremeAlloy Exhaust Material
- ✓ NK-844 Intake Material
- ✓ Swirl Polished and Fully Machined
- ✓ Chrome Stems and Hard Tips



Want a hollow stem Severe Duty® intake? It's as easy as 1-2-3. Refer to Gen II blank P/N 11252H on page 42 to support your custom requirements.

Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head	Wgt/ Grams
11587-8	Exh.	1.880	.3715	Stock	5.354	.220	10° x 3/8"	.065	.100	6° Dish	139
11731-8	Exh.	1.880	.3715	.100 Longer	5.454	.220	10° x 3/8"	.065	.100	6° Dish	142
11507-8	Exh.	1.900	.3715	Stock	5.354	.220	10° x 3/8"	.065	.100	6° Dish	140
11733-8	Exh.	1.900	.3715	.100 Longer	5.454	.220	10° x 3/8"	.075	.100	6° Dish	143
11735-8	Exh.	1.940	.3715	.100 Longer	5.454	.220	10° x 3/8"	.065	.100	6° Dish	144
11836-8	Int.	2.065	.3720	Stock	5.218	.220	Pro Flo: 10° x 3/8"	.050	.080	5° Dish	131
11554-8	Int.	2.065	.3720	.100 Longer	5.325	.220	Pro Flo: 12° x 7/16"	.065	.080	7° Dish	138
11520-8	Int.	2.190	.3720	Stock	5.218	.220	10° x 3/8"	.050	.080	7° Dish	145
11832-8	Int.	2.190	.3720	Stock	5.218	.220	Pro Flo: 10° x 3/8"	.050	.080	5° Dish	138
11538-8	Int.	2.190	.3720	.100 Longer	5.325	.220	Pro Flo: 12° x 7/16"	.065	.080	7° Dish	146
11562-8	Int.	2.250	.3720	Stock	5.218	.220	10° x 3/8"	.050	.080	7° Dish	149
11524-8	Int.	2.250	.3720	.100 Longer	5.325	.220	Pro Flo: 12° x 7/16"	.065	.080	7° Dish	153
11534-8	Int.	2.250	.3720	.200 Longer	5.433	.220	Pro Flo: 12° x 7/16"	.065	.080	7° Dish	156
11530-8	Int.	2.300	.3720	.100 Longer	5.325	.220	Pro Flo: 12° x 7/16"	.065	.080	7° Dish	160
11536-8	Int.	2.300	.3720	.200 Longer	5.433	.220	Pro Flo: 12° x 7/16"	.065	.080	7° Dish	168
11570-8	Int.	2.300	.3720	.250 Longer	5.513	.250	Pro Flo: 12° x 7/16"	.065	.080	7° Dish	171

See page 3 for a description of our valve materials.

STAINLESS VALVES

VALVES

BIG BLOCK CHEVROLET RACE MASTER VALVES 1 1/32" STEM DIAMETER

- ✓ XH-426 Stainless Exhaust Material
- ✓ Chrome Stems and Hard Tips
- ✓ 11/32" Stems for Improved Flow, Lighter Weight

- ✓ NK-842 Stainless Intake Material
- ✓ Swirl Polished and Fully Machined

Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head	Wgt/ Grams
11881-8	Exh.	1.880	.3415	Stock	5.422	.250	10° x 3/8"	.075	.100	6° Dish	122
11717-8	Exh.	1.880	.3415	Stock	5.422	.250	25° x 3/8"	.075	.100	20° Dish	127
11761-8	Exh.	1.880	.3415	.100 Longer	5.522	.250	10° x 3/8"	.075	.100	6° Dish	124
11719-8	Exh.	1.880	.3415	.100 Longer	5.522	.250	25° x 3/8"	.075	.100	20° Dish	129
11883-8	Exh.	1.900	.3415	Stock	5.422	.250	10° x 3/8"	.075	.100	5° Dish	123
11765-8	Exh.	1.900	.3415	Stock	5.422	.250	25° x 3/8"	.075	.100	20° Dish	128
11769-8	Exh.	1.900	.3415	.100 Longer	5.522	.250	10° x 3/8"	.075	.100	5° Dish	125
11775-8	Exh.	1.900	.3415	.100 Longer	5.522	.250	25° x 3/8"	.075	.100	20° Dish	130
11885-8	Exh.	1.940	.3415	Stock	5.422	.250	10° x 3/8"	.075	.100	5° Dish	124
11777-8	Exh.	1.940	.3415	.100 Longer	5.522	.250	10° x 3/8"	.075	.100	5° Dish	126
11872-8	Int.	2.190	.3415	Stock	5.244	.250	10° x 3/8"	.050	.080	5° Dish	139
11894-8	Int.	2.190	.3415	.100 Longer	5.344	.250	10° x 3/8"	.050	.080	5° Dish	140
11874-8	Int.	2.250	.3415	Stock	5.244	.250	10° x 3/8"	.050	.080	5° Dish	140
11814-8	Int.	2.250	.3415	.100 Longer	5.344	.250	10° x 3/8"	.050	.080	5° Dish	142
11868-8	Int.	2.250	.3415	.250 Longer	5.494	.250	10° x 3/8"	.050	.080	5° Dish	145
11730-8	Int.	2.300	.3415	Stock	5.244	.250	10° x 3/8"	.050	.080	5° Dish	143
11816-8	Int.	2.300	.3415	.100 Longer	5.344	.250	10° x 3/8"	.050	.080	5° Dish	146
11870-8	Int.	2.300	.3415	.250 Longer	5.494	.250	10° x 3/8"	.050	.080	5° Dish	147

BIG BLOCK CHEVROLET SEVERE DUTY® VALVES 1 1/32" STEM DIAMETERS

- ✓ XH-428 Stainless Exhaust Material
- ✓ Chrome Stems and Hard Tips

- ✓ NK-844 Stainless Intake Material
- ✓ Swirl Polished and Fully Machined

Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head	Wgt/ Grams
11843-8	Exh.	1.880	.3415	Stock	5.422	.250	10° x 3/8"	.075	.100	6° Dish	122
11815-8	Exh.	1.880	.3415	.100 Longer	5.522	.250	10° x 3/8"	.075	.100	6° Dish	125
11845-8	Exh.	1.880	.3415	.100 Longer	5.522	.250	25° x 3/8"	.075	.100	20° Dish	130
11817-8	Exh.	1.900	.3415	Stock	5.422	.250	12° x 3/8"	.075	.100	7° Dish	122
11811-8	Exh.	1.900	.3415	.100 Longer	5.522	.250	12° x 3/8"	.075	.100	7° Dish	126
11847-8	Exh.	1.900	.3415	.100 Longer	5.522	.250	25° x 3/8"	.075	.100	20° Dish	132
11803-8	Exh.	1.940	.3415	Stock	5.422	.250	12° x 3/8"	.075	.100	7° Dish	123
11809-8	Exh.	1.940	.3415	.100 Longer	5.522	.250	12° x 3/8"	.075	.100	7° Dish	127
11800-8	Int.	2.190	.3415	Stock	5.244	.250	12° x 3/8"	.050	.080	7° Dish	139
11822-8	Int.	2.190	.3415	.100 Longer	5.344	.250	12° x 3/8"	.050	.080	7° Dish	140
11896-8	Int.	2.190	.3415	.350 Longer	5.610	.250	12° x 3/8"	.065	.100	7° Dish	146
11802-8	Int.	2.250	.3415	Stock	5.244	.250	12° x 3/8"	.050	.100	7° Dish	139
11850-8	Int.	2.250	.3415	.100 Longer	5.344	.250	12° x 3/8"	.050	.100	7° Dish	142
11856-8	Int.	2.250	.3415	.250 Longer	5.494	.250	12° x 3/8"	.050	.100	7° Dish	145
11898-8	Int.	2.250	.3415	.350 Longer	5.610	.250	12° x 3/8"	.065	.100	7° Dish	150
11780-8	Int.	2.300	.3415	Stock	5.244	.250	12° x 3/8"	.050	.100	7° Dish	143
11842-8	Int.	2.300	.3415	.100 Longer	5.344	.250	12° x 3/8"	.050	.100	7° Dish	146
11784-8	Int.	2.300	.3415	.200 Longer	5.444	.250	12° x 3/8"	.050	.100	7° Dish	147
11854-8	Int.	2.300	.3415	.250 Longer	5.494	.250	12° x 3/8"	.050	.100	7° Dish	148
11878-8	Int.	2.300	.3415	.350 Longer	5.610	.250	12° x 3/8"	.065	.100	7° Dish	149
11838-8	Int.	2.325	.3415	.250 Longer	5.509	.250	12° x 3/8"	.065	.100	7° Dish	150
11880-8	Int.	2.350	.3415	.350 Longer	5.610	.250	12° x 3/8"	.065	.100	7° Dish	152

STAINLESS VALVES

VALVES

BIG BLOCK CHEVROLET EXTREME DUTY & MARINE VALVES 1 1/32" STEM DIAMETERS

- ✓ XH-432 XtremeAlloy Exhaust Material
- ✓ Reduced Stem Diameter
- ✓ Greater Flow and Less Weight
- ✓ NK-844 Stainless Intake Material
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined

Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head	Wgt/ Grams
11743-8	Exh.	1.880	.3415	Stock	5.422	.250	15° x 1/2"	.075	.085	9° Dish	133
12743-8	Exh.	1.880	.3415	Stock	5.422	.250	18° x 1/2"	.075	.085	12° Dish	133
11737-8	Exh.	1.880	.3415	.100 Longer	5.522	.250	15° x 1/2"	.075	.085	9° Dish	133
12737-8	Exh.	1.880	.3415	.100 Longer	5.522	.250	18° x 1/2"	.075	.085	12° Dish	133
11745-8	Exh.	1.900	.3415	Stock	5.422	.250	15° x 1/2"	.075	.085	9° Dish	136
12745-8	Exh.	1.900	.3415	Stock	5.422	.250	18° x 1/2"	.075	.085	12° Dish	136
11739-8	Exh.	1.900	.3415	.100 Longer	5.522	.250	15° x 1/2"	.075	.085	9° Dish	136
12739-8	Exh.	1.900	.3415	.100 Longer	5.522	.250	18° x 1/2"	.075	.085	12° Dish	136
11773-8	Exh.	1.940	.3415	Stock	5.422	.250	15° x 1/2"	.075	.085	9° Dish	140
12773-8	Exh.	1.940	.3415	Stock	5.422	.250	18° x 1/2"	.075	.085	12° Dish	140
11741-8	Exh.	1.940	.3415	.100 Longer	5.522	.250	15° x 1/2"	.075	.085	9° Dish	140
12741-8	Exh.	1.940	.3415	.100 Longer	5.522	.250	18° x 1/2"	.075	.085	12° Dish	140
Gen II blank P/N 11277 is also available with an 18° back angle, flat face (no dish). Refer to page 42.											
11800-8	Int.	2.190	.3415	Stock	5.244	.250	12° x 3/8"	.050	.080	7° Dish	139
11822-8	Int.	2.190	.3415	.100 Longer	5.344	.250	12° x 3/8"	.050	.080	7° Dish	140
11896-8	Int.	2.190	.3415	.350 Longer	5.610	.250	12° x 3/8"	.065	.100	7° Dish	146
11802-8	Int.	2.250	.3415	Stock	5.244	.250	12° x 3/8"	.050	.100	7° Dish	139
11850-8	Int.	2.250	.3415	.100 Longer	5.344	.250	12° x 3/8"	.050	.100	7° Dish	142
11856-8	Int.	2.250	.3415	.250 Longer	5.494	.250	12° x 3/8"	.050	.100	7° Dish	145
11898-8	Int.	2.250	.3415	.350 Longer	5.610	.250	12° x 3/8"	.065	.100	7° Dish	150
11780-8	Int.	2.300	.3415	Stock	5.244	.250	12° x 3/8"	.050	.100	7° Dish	143
11842-8	Int.	2.300	.3415	.100 Longer	5.344	.250	12° x 3/8"	.050	.100	7° Dish	146
11784-8	Int.	2.300	.3415	.200 Longer	5.444	.250	12° x 3/8"	.050	.100	7° Dish	147
11854-8	Int.	2.300	.3415	.250 Longer	5.494	.250	12° x 3/8"	.050	.100	7° Dish	148
11878-8	Int.	2.300	.3415	.350 Longer	5.610	.250	12° x 3/8"	.065	.100	7° Dish	149
11838-8	Int.	2.325	.3415	.250 Longer	5.509	.250	12° x 3/8"	.065	.100	7° Dish	150
11880-8	Int.	2.350	.3415	.350 Longer	5.610	.250	12° x 3/8"	.065	.100	7° Dish	152

BIG BLOCK CHEVROLET BRODIX BB-4/SAR, EDELBROCK VICTOR CHEVROLET #12363425 HEADS SEVERE DUTY® VALVES 1 1/32" STEMS

- ✓ XH-428 Stainless Exhaust Material
- ✓ Swirl Polished and Fully Machined
- ✓ NK-844 Stainless Intake Material
- ✓ Chrome Stems and Hard Tips

Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head	Wgt/ Grams
11845-8	Exh.	1.880	.3415	.100 Longer	5.522	.250	25° x 3/8"	.075	.100	20° Dish	130
11847-8	Exh.	1.900	.3415	.100 Longer	5.522	.250	25° x 3/8"	.075	.100	20° Dish	132
11896-8	Int.	2.190	.3415	.350 Longer	5.595	.250	12° x 3/8"	.065	.100	7° Dish	146
11898-8	Int.	2.250	.3415	.350 Longer	5.605	.250	12° x 3/8"	.065	.100	7° Dish	148
11878-8	Int.	2.300	.3415	.350 Longer	5.610	.250	12° x 3/8"	.065	.100	7° Dish	148
11880-8	Int.	2.350	.3415	.350 Longer	5.610	.250	12° x 3/8"	.065	.100	7° Dish	150

Note: New part numbers are *ITALICIZED*.

STAINLESS VALVES

VALVES

DART BIG BLOCK PRO I® & 320 / 360 HEADS SEVERE DUTY® VALVES 1 1/32" STEM DIAMETERS

Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head	Wgt/ Grams
11843-8	Exh.	1.880	.3415	Stock	5.422	.250	10° x 3/8"	.075	.100	6° Dish	122
11817-8	Exh.	1.900	.3415	Stock	5.422	.250	12° x 3/8"	.075	.100	7° Dish	122
11856-8	Int.	2.250	.3415	.250 Longer	5.494	.250	12° x 3/8"	.050	.100	7° Dish	145
11854-8	Int.	2.300	.3415	.250 Longer	5.494	.250	12° x 3/8"	.050	.100	7° Dish	147

BIG BLOCK CHEVROLET PONTIAC "PRO STOCK" & DART "BIG CHIEF" EXTREME DUTY & SEVERE DUTY® VALVES 1 1/32" STEMS

Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head	Wgt/ Grams
EXTREME DUTY VALVES											
11597-8	Exh.	1.900	.3415	Stock	6.450	.290	15° x 1/2"	.085	.080	9° Dish	143
SEVERE DUTY® VALVES											
11581-8	Exh.	1.900	.3415	Stock	6.380	.250	25° x 3/8"	.085	.100	20° Dish	144
11583-8	Exh.	1.940	.3415	Stock	6.400	.250	25° x 3/8"	.085	.100	20° Dish	150
11580-8	Int.	2.325	.3415	Stock	6.590	.250	10° x 3/8"	.050	.075	5° Dish	165
11582-8	Int.	2.400	.3415	Stock	6.600	.250	10° x 3/8"	.050	.075	5° Dish	168

BIG BLOCK CHEVROLET SEVERE DUTY® VALVES 5/16" (.311") STEM DIAMETERS

These .311" stem valves are ONLY available with Bead Loc® keeper grooves. Bead Loc® valve locks are REQUIRED.

Want a hollow stem Severe Duty® intake? It's as easy as 1-2-3. Refer to Gen II blank P/N 11264H on page 42 to support your custom requirements.



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head	Wgt/ Grams	
12843-8	Exh.	1.880	.3110	Stock	5.422	.250	12° x 3/8"	.075	.100	7° Dish	107	
12815-8	Exh.	1.880	.3110	.100 Longer	5.522	.250	12° x 3/8"	.075	.100	7° Dish	110	
12817-8	Exh.	1.900	.3110	Stock	5.422	.250	12° x 3/8"	.075	.100	7° Dish	108	
12811-8	Exh.	1.900	.3110	.100 Longer	5.522	.250	12° x 3/8"	.075	.100	7° Dish	111	
12803-8	Exh.	1.940	.3110	Stock	5.422	.250	12° x 3/8"	.075	.100	7° Dish	109	
12809-8	Exh.	1.940	.3110	.100 Longer	5.522	.250	12° x 3/8"	.075	.100	7° Dish	112	
12802-8	Int.	2.250	.3110	Stock	5.244	.250	10° x 3/8"	.050	.080	5° Dish	122	
12850-8	Int.	2.250	.3110	.100 Longer	5.344	.250	10° x 3/8"	.050	.080	5° Dish	125	
12850H-8	Int.	2.250	.3110	.100 Longer	5.344	.250	10° x 3/8"	.050	.080	5° Dish	113	
			Hollow Stem									
12856-8	Int.	2.250	.3110	.250 Longer	5.494	.250	10° x 3/8"	.050	.080	5° Dish	128	
12856H-8	Int.	2.250	.3110	.250 Longer	5.494	.250	10° x 3/8"	.050	.080	5° Dish	116	
			Hollow Stem									
12898-8	Int.	2.250	.3110	.350 Longer	5.594	.250	10° x 3/8"	.050	.080	5° Dish	132	
12780-8	Int.	2.300	.3110	Stock	5.244	.250	10° x 3/8"	.050	.080	5° Dish	126	
12842-8	Int.	2.300	.3110	.100 Longer	5.344	.250	10° x 3/8"	.050	.080	5° Dish	128	
12784-8	Int.	2.300	.3110	.200 Longer	5.444	.250	10° x 3/8"	.050	.080	5° Dish	129	
12854-8	Int.	2.300	.3110	.250 Longer	5.494	.250	10° x 3/8"	.050	.080	5° Dish	130	
12878-8	Int.	2.300	.3110	.350 Longer	5.594	.250	10° x 3/8"	.050	.080	5° Dish	133	
12838-8	Int.	2.325	.3110	.250 Longer	5.594	.250	10° x 3/8"	.050	.080	5° Dish	134	
12880-8	Int.	2.350	.3110	.350 Longer	5.594	.250	10° x 3/8"	.050	.080	5° Dish	135	

Need a different length? Head diameter not listed?

See pages 42 & 43 for Gen II blanks to construct a valve to your exact specifications.

Note: New part numbers are **ITALICIZED**.

STAINLESS VALVES

VALVES

CHRYSLER / DODGE 5.7 & 6.1L HEMI

RACE FLO & RACE MASTER VALVES

- ✓ XH-426 Stainless Exhaust Material
- ✓ NK-842 Stainless Intake Material
- ✓ Swirl Polished & Fully Machined
- ✓ Improved Flow with "Pro Flo" Underhead

Must use factory locks for triple grooves and use Manley's Bead Loc® P/N 13093-16 with the Bead Loc® single radius groove.



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
Chrysler HEMI 5.7L (Thru 2008) w/ TRIPLE GROOVE											
11665-8	Exh.	1.555"	.3125"	Stock	4.845"	.120	25° x 1/2"	.065	.100	20° Dish	88
11667-8	Exh.	1.575"	.3125"	Stock	4.845"	.120	25° x 1/2"	.065	.100	20° Dish	90
11664-8	Int.	2.000"	.3125"	Stock	4.955"	.120	Pro Flo: 12° x 3/8"	.050	.085	7° Dish	103
11666-8	Int.	2.020"	.3125"	Stock	4.955"	.120	Pro Flo: 12° x 3/8"	.050	.085	7° Dish	104
11666H-8	Int.	2.020"	.3125"	Stock	4.955"	.120	Pro Flo: 12° x 3/8"	.050	.085	7° Dish	92
Hollow Stem											
Chrysler HEMI 5.7L (Thru 2008) w/ BEAD LOC® GROOVE											
11665B-8	Exh.	1.555"	.3125"	Stock	4.845"	.135	25° x 1/2"	.065	.100	20° Dish	88
11667B-8	Exh.	1.575"	.3125"	Stock	4.845"	.135	25° x 1/2"	.065	.100	20° Dish	90
11664B-8	Int.	2.000"	.3125"	Stock	4.955"	.135	Pro Flo: 12° x 3/8"	.050	.085	7° Dish	103
11666B-8	Int.	2.020"	.3125"	Stock	4.955"	.135	Pro Flo: 12° x 3/8"	.050	.085	7° Dish	104
11666HB-8	Int.	2.020"	.3125"	Stock	4.955"	.135	Pro Flo: 12° x 3/8"	.050	.085	7° Dish	92
Hollow Stem											
Chrysler HEMI 5.7L (2009 - Up) w/ TRIPLE GROOVE											
11695-8	Exh.	1.555"	.3125"	Stock	5.125"	.120	25° x 1/2"	.065	.100	20° Dish	95
11697-8	Exh.	1.575"	.3125"	Stock	5.125"	.120	25° x 1/2"	.065	.100	20° Dish	97
11694-8	Int.	2.050"	.3125"	Stock	5.176"	.120	Pro Flo: 12° x 3/8"	.050	.085	7° Dish	111
11696-8	Int.	2.080"	.3125"	Stock	5.176"	.120	Pro Flo: 12° x 3/8"	.050	.085	7° Dish	113
11696H-8	Int.	2.080"	.3125"	Stock	5.176"	.120	Pro Flo: 12° x 3/8"	.050	.085	7° Dish	101
Hollow Stem											
Chrysler HEMI 5.7L (2009 - Up) w/ BEAD LOC® GROOVE											
11695B-8	Exh.	1.555"	.3125"	Stock	5.125"	.135	25° x 1/2"	.065	.100	20° Dish	95
11697B-8	Exh.	1.575"	.3125"	Stock	5.125"	.135	25° x 1/2"	.065	.100	20° Dish	97
11694B-8	Int.	2.050"	.3125"	Stock	5.176"	.135	Pro Flo: 12° x 3/8"	.050	.085	7° Dish	111
11696B-8	Int.	2.080"	.3125"	Stock	5.176"	.135	Pro Flo: 12° x 3/8"	.050	.085	7° Dish	113
11696HB-8	Int.	2.080"	.3125"	Stock	5.176"	.135	Pro Flo: 12° x 3/8"	.050	.085	7° Dish	101
Hollow Stem											
Chrysler HEMI 6.1L w/ TRIPLE GROOVE											
11669-8	Exh.	1.595"	.3125"	Stock	4.925"	.120	25° x 1/2"	.065	.100	20° Dish	91
11671-8	Exh.	1.625"	.3125"	Stock	4.925"	.120	25° x 1/2"	.065	.100	20° Dish	93
11668-8	Int.	2.080"	.3125"	Stock	4.990"	.120	Pro Flo: 12° x 3/8"	.050	.085	7° Dish	108
11670-8	Int.	2.100"	.3125"	Stock	4.990"	.120	Pro Flo: 12° x 3/8"	.050	.085	7° Dish	111
11670H-8	Int.	2.100"	.3125"	Stock	4.990"	.120	Pro Flo: 12° x 3/8"	.050	.085	7° Dish	99
Hollow Stem											
Chrysler HEMI 6.1L w/ BEAD LOC® GROOVE											
11669B-8	Exh.	1.595"	.3125"	Stock	4.925"	.135	25° x 1/2"	.065	.100	20° Dish	91
11671B-8	Exh.	1.625"	.3125"	Stock	4.925"	.135	25° x 1/2"	.065	.100	20° Dish	93
11668B-8	Int.	2.080"	.3125"	Stock	4.990"	.135	Pro Flo: 12° x 3/8"	.050	.085	7° Dish	108
11670B-8	Int.	2.100"	.3125"	Stock	4.990"	.135	Pro Flo: 12° x 3/8"	.050	.085	7° Dish	111
11670HB-8	Int.	2.100"	.3125"	Stock	4.990"	.135	Pro Flo: 12° x 3/8"	.050	.085	7° Dish	99
Hollow Stem											

Manley Performance recommends that customers check their valve guide size in order to achieve the proper valve stem to guide clearance. Guides may need to be honed when replacing valves. Factory sizes may vary depending on the specific engine.

Note: New part numbers are **ITALICIZED**.

STAINLESS VALVES

VALVES

CHRYSLER 340 - 360

RACE SERIES VALVES & SEVERE DUTY® "PRO FLO" VALVES

- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined
- ✓ W-2 Valves are "Pro Flo" Underhead



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
W-2 LATE MODEL STOCK P/N P5249769 CYLINDER HEAD											
11703-8	Exh.	1.600	.3415	Stock	5.255	.290	Pro Flo: 22° x 1/2"	.095	.080	17° Dish	111
11702-8	Int.	2.020	.3415	Stock	5.240	.290	Pro Flo: 12° x 3/8"	.065	.080	7° Dish	125
<small>P/N 11703-8 exhaust is a Race-Flo. P/N 11702-8 intake is a Severe Duty Pro-Flo.</small>											
W-2 CYLINDER HEAD SEVERE DUTY® "PRO FLO" VALVES											
11549-8	Exh.	1.600	.3715	.150 Longer	5.075	.220	Pro Flo: 12° x 3/8"	.085	.100	7° Dish	107
11550-8	Int.	2.020	.3720	.150 Longer	5.050	.220	Pro Flo: 12° x 7/16"	.050	.080	7° Dish	123
STOCK CYLINDER HEAD RACE MASTER VALVES											
11781-8	Exh.	1.600	.3715	Stock	4.970	.225	15° x 1/2"	.080	.100	9° Dish	104
11783-8	Exh.	1.625	.3715	Stock	4.970	.225	15° x 1/2"	.080	.100	9° Dish	105
11782-8	Int.	2.020	.3715	Stock	4.980	.225	12° x 3/8"	.050	.080	7° Dish	118

CHRYSLER 361 - 383 426 WEDGE - 440

RACE FLO & RACE MASTER VALVES



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11859-8	Exh.	1.740	.3720	Stock	4.908	.275	Pro Flo: 10° x 3/8"	.085	.100	5° Dish	116
11307-8	Exh.	1.740	.3715	.100 Longer	5.010	.275	15° x 1/2"	.080	.100	9° Dish	121
11891-8	Exh.	1.810	.3720	Stock	4.908	.275	Pro Flo: 10° x 3/8"	.085	.100	5° Dish	121
11309-8	Exh.	1.810	.3715	.100 Longer	5.010	.275	15° x 1/2"	.080	.100	9° Dish	126
11892-8	Int.	2.080	.3720	Stock	4.873	.275	Pro Flo: 10° x 3/8"	.050	.085	5° Dish	122
11308-8	Int.	2.080	.3715	.100 Longer	5.000	.275	12° x 3/8"	.060	.080	7° Dish	125
11890-8	Int.	2.140	.3720	Stock	4.873	.275	Pro Flo: 10° x 3/8"	.050	.085	5° Dish	126
11314-8	Int.	2.140	.3715	.100 Longer	5.000	.275	12° x 3/8"	.060	.080	7° Dish	131
11388-8	Int.	2.180	.3715	.100 Longer	5.000	.275	12° x 3/8"	.060	.080	7° Dish	134

SEVERE DUTY® "PRO FLO" VALVES

Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11841-8	Exh.	1.740	.3720	Stock	4.908	.275	Pro Flo: 10° x 3/8"	.085	.100	5° Dish	116
11839-8	Exh.	1.810	.3720	Stock	4.908	.275	Pro Flo: 10° x 3/8"	.085	.100	5° Dish	121
11833-8	Exh.	1.880	.3720	Stock	4.908	.275	Pro Flo: 10° x 3/8"	.085	.100	5° Dish	126
11876-8	Int.	2.080	.3720	Stock	4.873	.275	Pro Flo: 12° x 3/8"	.050	.080	7° Dish	122
11834-8	Int.	2.140	.3720	Stock	4.873	.275	Pro Flo: 12° x 3/8"	.050	.080	7° Dish	126

See page 3 for a description of our valve materials.

STAINLESS VALVES

VALVES

CHRYSLER 440-1

"INDY CYLINDER HEADS"

RACE MASTER VALVES & SEVERE DUTY® VALVES

- ✓ Swirl Polished
- ✓ Fully Machined
- ✓ Chrome Stems
- ✓ Hard Tips

Manufactured specifically for Indy Cylinder Head's own 440-1 aluminum or cast iron head.



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head	Wgt/ Grams
RACE MASTER VALVES											
11381-8	Exh.	1.810	.3415	Stock	5.400	.250	10° x 3/8"	.075	.100	6° Dish	118
11380-8	Int.	2.190	.3415	Stock	5.344	.250	10° x 3/8"	.050	.080	5° Dish	134
11382-8	Int.	2.250	.3415	Stock	5.344	.250	10° x 3/8"	.050	.080	5° Dish	136
SEVERE DUTY VALVES											
11813-8	Exh.	1.810	.3415	Stock	5.369	.250	12° x 3/8"	.075	.100	7° Dish	115
11822-8	Int.	2.190	.3415	Stock	5.344	.250	12° x 3/8"	.050	.080	7° Dish	140
11850-8	Int.	2.250	.3415	Stock	5.344	.250	12° x 3/8"	.050	.100	7° Dish	142

See page 3 for a description of our valve materials.

DODGE VIPER V-10

RACE MASTER VALVES

- ✓ XH-426 Stainless Exhaust Material
- ✓ NK-842 Stainless Intake Material
- ✓ Swirl Polished
- ✓ Fully Machined
- ✓ Chrome Stems
- ✓ Hard Tips
- ✓ Bead Loc® keeper grooves for use with the factory valve locks or Manley .3110" stem Bead Loc® valve locks.



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head	Wgt/ Grams
11641-10	Exh.	1.580	.3110	Stock	5.770	.110	18° x 1/2"	.075	.100	12° Dish	101
11643-10	Exh.	1.600	.3110	Stock	5.770	.110	18° x 1/2"	.075	.100	12° Dish	102
11645-10	Exh.	1.600	.3110	.100 Longer	5.870	.110	18° x 1/2"	.075	.100	12° Dish	103
11647-10	Exh.	1.600	.3110	.200 Longer	5.970	.110	18° x 1/2"	.075	.100	12° Dish	104
11642-10	Int.	1.920	.3110	Stock	5.728	.110	12° x 3/8"	.050	.080	7° Dish	105
11644-10	Int.	2.020	.3110	Stock	5.728	.110	12° x 3/8"	.050	.080	7° Dish	112
11646-10	Int.	2.020	.3110	.100 Longer	5.828	.110	12° x 3/8"	.050	.080	7° Dish	113
11648-10	Int.	2.020	.3110	.200 Longer	5.928	.110	12° x 3/8"	.050	.080	7° Dish	114
11660-10	Int.	2.055	.3110	.100 Longer	5.828	.110	12° x 3/8"	.050	.080	7° Dish	114

Need a different length? Head diameter not listed?

See pages 42 & 43 for Gen II blanks to construct a valve to your exact specifications.

CHRYSLER 426 HEMI

RACE MASTER & SEVERE DUTY® VALVES

- ✓ XH-426 Race Master Stainless Exhaust Material
- ✓ NK-844 Severe Duty® Stainless Intake Material
- ✓ NK-842 Race Master Stainless Intake Material
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined



*"B" suffix indicates a Bead Loc® keeper groove. Bead Loc® valve locks are required.

Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head	Wgt/ Grams
RACE MASTER VALVES											
11315-8	Exh.	1.900	.3075	Stock	4.855	.200	22° x 3/8"	.070	.100	18° Dish	104
11315B-8	Exh.	1.900	.3075	Stock	4.855	.200	22° x 3/8"	.070	.100	18° Dish	104
11317-8	Exh.	1.940	.3075	Stock	4.865	.200	22° x 3/8"	.070	.100	18° Dish	107
11317B-8	Exh.	1.940	.3075	Stock	4.865	.200	22° x 3/8"	.070	.100	18° Dish	107
11901-8	Exh.	1.900	.3100	Stock	4.915	.250	22° x 1/4"	.075	.100	17° Dish	132
11905-8	Exh.	1.940	.3100	Stock	4.915	.250	22° x 1/4"	.075	.100	17° Dish	133
SEVERE DUTY VALVES											
11902-8	Int.	2.200	.3085	Stock	5.405	.200	24° x 3/4"	.060	.095	20° Dish	133
11902B-8	Int.	2.200	.3085	Stock	5.405	.200	24° x 3/4"	.060	.095	20° Dish	133
11904-8	Int.	2.250	.3085	Stock	5.424	.200	24° x 3/4"	.060	.095	20° Dish	136
11904B-8	Int.	2.250	.3085	Stock	5.424	.200	24° x 3/4"	.060	.095	20° Dish	136
11906-8	Int.	2.250	.3085	.050 Longer	5.474	.200	24° x 3/4"	.060	.095	20° Dish	137
11906B-8	Int.	2.250	.3085	.050 Longer	5.474	.200	24° x 3/4"	.060	.095	20° Dish	137
11908-8	Int.	2.250	.3085	.100 Longer	5.524	.200	24° x 3/4"	.060	.095	20° Dish	138
11908B-8	Int.	2.250	.3085	.100 Longer	5.524	.200	24° x 3/4"	.060	.095	20° Dish	138
RACE MASTER VALVES											
11516-8	Int.	2.200	.3100	Stock	5.490	.250	24° x 3/4"	.060	.080	19° Dish	128
11518-8	Int.	2.250	.3100	Stock	5.490	.250	24° x 3/4"	.060	.080	19° Dish	131

TOP FUEL & FUNNY CAR

EXTREME DUTY EXHAUST VALVES

- ✓ XH-432 XtremeAlloy Material
- ✓ Chrome Stems and Swirl Polished
- ✓ Hard Tips



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head	Wgt/ Grams
11837-8	Exh.	1.950	.3715	.100 Longer	5.020	.250	22° x 1/2"	.100	.100	15° Dish	166
11729B-8*	Exh.	1.950	.3715	.200 Longer	5.120	.250	22° x 1/2"	.100	.100	15° Dish	169
11855-8	Exh.	2.000	.3715	.100 Longer	5.020	.250	22° x 1/2"	.080	.125	15° Dish	165
11895-8*	Exh.	2.000	.3715	*	5.315	*	22° x 1/2"	.090	.110	15° Dish	169

All valves above except 11855 have a 55° seat angle.

* Valve 11895 is stocked at the O/A length listed above with no keeper grooves.

Please specify the overall length and groove location you require. There is no charge for these machining operations.

Valve 11729B has a Bead Loc® keeper groove. Bead Loc® valve locks are required.

Note: New part numbers are **ITALICIZED**.

STAINLESS VALVES

VALVES

FORD 2300

"ESSLINGER" RACE MASTER VALVES



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head	Wgt/ Grams
SEMI-FINISHED VALVES FOR "ESSLINGER" HEADS											
11791-4	Exh.	1.590	.3415	*	4.800	*	15° x 1/2"	.060	.100	9° Dish	105
11790-4	Int.	1.890	.3415	*	4.800	*	10° x 3/8"	.050	.080	5° Dish	110
FINISHED VALVES FOR "ESSLINGER" FLAT TAPPET APPLICATIONS											
11793-4	Exh.	1.590	.3415	Stock	4.800	.550	15° x 1/2"	.060	.100	9° Dish	104
11792-4	Int.	1.890	.3415	Stock	4.800	.550	10° x 3/8"	.050	.080	5° Dish	109
FINISHED VALVES FOR "ESSLINGER" ROLLER TAPPET APPLICATIONS											
11795-4	Exh.	1.590	.3415	Stock	4.800	.400	15° x 1/2"	.060	.100	9° Dish	104
11794-4	Int.	1.890	.3415	Stock	4.800	.400	10° x 3/8"	.050	.080	5° Dish	109

Valves 11790 and 11791 have hard tips but no grooves. Use P/N 04008 to order custom grooved valves.

FORD 4.6L & 5.4L SOHC (2 VALVE)

RACE MASTER VALVES

Must use factory locks for triple grooves and use Manley's Bead Loc® P/N 13089-16 with the Bead Loc® single radius groove.



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head	Wgt/ Grams
1999 AND LATER w/ TRIPLE GROOVE											
11637-8	Exh.	36.0 mm	.2740	Stock	4.650	.470	15° x 1/2"	.060	.080	9° Dish	66
11639-8	Exh.	37.0 mm	.2740	Stock	4.650	.470	15° x 1/2"	.060	.080	9° Dish	68
11636-8	Int.	44.5 mm	.2750	Stock	4.705	.470	10° x 3/8"	.050	.080	5° Dish	76
11640-8	Int.	45.5 mm	.2750	Stock	4.705	.470	10° x 3/8"	.050	.080	5° Dish	78
1999 AND LATER w/ BEAD LOC® GROOVE											
11637B-8	Exh.	36.0 mm	.2740	Stock	4.650	.485	15° x 1/2"	.060	.080	9° Dish	66
11639B-8	Exh.	37.0 mm	.2740	Stock	4.650	.485	15° x 1/2"	.060	.080	9° Dish	68
11636B-8	Int.	44.5 mm	.2750	Stock	4.705	.485	10° x 3/8"	.050	.080	5° Dish	76
11640B-8	Int.	45.5 mm	.2750	Stock	4.705	.485	10° x 3/8"	.050	.080	5° Dish	78
1996 - 1998 w/ TRIPLE GROOVE											
11635-8	Exh.	34.0 mm	.2740	Stock	4.650	.470	15° x 1/2"	.060	.080	9° Dish	62
11637-8*	Exh.	36.0 mm	.2740	Stock	4.650	.470	15° x 1/2"	.060	.080	9° Dish	66
11634-8	Int.	44.5 mm	.2750	Stock	4.630	.470	10° x 3/8"	.050	.080	5° Dish	77
11638-8*	Int.	46.83 mm	.2750	Stock	4.630	.470	10° x 3/8"	.050	.080	5° Dish	82
1996 - 1998 w/ BEAD LOC® GROOVE											
11635B-8	Exh.	34.0 mm	.2740	Stock	4.650	.485	15° x 1/2"	.060	.080	9° Dish	62
11637B-8*	Exh.	36.0 mm	.2740	Stock	4.650	.485	15° x 1/2"	.060	.080	9° Dish	66
11634B-8	Int.	44.5 mm	.2750	Stock	4.630	.485	10° x 3/8"	.050	.080	5° Dish	77
11638B-8*	Int.	46.83 mm	.2750	Stock	4.630	.485	10° x 3/8"	.050	.080	5° Dish	82

* Part numbers 11637-8, 11637B-8, 11638-8 and 11638B-8 are for the Ford Racing M-6049-D46 cylinder head.

Note: New part numbers are **ITALICIZED**.

STAINLESS VALVES

VALVES

FORD 4.6L & 5.4L DOHC (3 VALVE)

RACE MASTER VALVES & EXTREME DUTY VALVES

Must use factory locks for triple grooves and use Manley's Bead Loc® P/N 13088-24 with the Bead Loc® single radius groove. These Manley valves are boxed in sets of 8 pieces. Please order two boxes of intakes and one box of exhausts to fit your engine.



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head	Wgt/ Grams
EXTREME DUTY VALVES w/ TRIPLE GROOVE											
11631-8	Exh.	37.5 mm	.2345	Stock	4.585	.380	25° x 11/32"	.080	.100	20° Dish	68
11633-8	Exh.	38.5 mm	.2345	Stock	4.585	.380	25° x 11/32"	.080	.100	20° Dish	70
EXTREME DUTY VALVES w/ BEAD LOC® GROOVE											
11631B-8	Exh.	37.5 mm	.2345	Stock	4.585	.395	25° x 11/32"	.080	.100	20° Dish	68
11633B-8	Exh.	38.5 mm	.2345	Stock	4.585	.395	25° x 11/32"	.080	.100	20° Dish	70
RACE MASTER VALVES w/ TRIPLE GROOVE											
11630-8	Int.	34 mm	.2355	Stock	4.620	.315	12° x 5/16"	.065	.100	8° Dish	53
11632-8	Int.	35 mm	.2355	Stock	4.620	.315	12° x 5/16"	.065	.100	8° Dish	54
RACE MASTER VALVES w/ BEAD LOC® GROOVE											
11630B-8	Int.	34 mm	.2355	Stock	4.620	.330	12° x 5/16"	.065	.100	8° Dish	53
11632B-8	Int.	35 mm	.2355	Stock	4.620	.330	12° x 5/16"	.065	.100	8° Dish	54

FORD 4.6L & 5.4L DOHC (4 VALVE)

RACE MASTER VALVES

Must use factory locks for triple grooves and use Manley's Bead Loc® P/N 13089-32 with the Bead Loc® single radius groove. These Manley valves are boxed in sets of 8 pieces. Please order two boxes of both intakes and exhausts to fit your engine.



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head	Wgt/ Grams
TRIPLE GROOVE											
11615-8	Exh.	30 mm	.2740	Stock	4.587	.425	15° x 1/2"	.050	.080	9° Dish	53
11617-8	Exh.	31 mm	.2740	Stock	4.587	.425	15° x 1/2"	.050	.080	9° Dish	55
11616-8	Int.	37 mm	.2750	Stock	5.339	.620	10° x 3/8"	.045	.080	5° Dish	68
11618-8	Int.	38 mm	.2750	Stock	5.339	.620	10° x 3/8"	.045	.080	5° Dish	70
BEAD LOC® GROOVE											
11615B-8	Exh.	30 mm	.2740	Stock	4.587	.440	15° x 1/2"	.050	.080	9° Dish	53
11617B-8	Exh.	31 mm	.2740	Stock	4.587	.440	15° x 1/2"	.050	.080	9° Dish	55
11616B-8	Int.	37 mm	.2750	Stock	5.339	.635	10° x 3/8"	.045	.080	5° Dish	68
11618B-8	Int.	38 mm	.2750	Stock	5.339	.635	10° x 3/8"	.045	.080	5° Dish	70

Note: New part numbers are *ITALICIZED*.

STAINLESS VALVES

VALVES

FORD 289 - 302 - 351W

BUDGET PERFORMANCE & STREET FLO VALVES

- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head	Wgt/ Grams
VALVES FOR USE WITH NON-RAIL OR ROLLER ROCKERS											
10549-8*	Exh.	1.600	.3415	Stock	4.911	.250	15° x 1/2"	.060	.100	10° Dish	101
10548-8*	Int.	1.900	.3415	Stock	4.911	.250	10° x 3/8"	.050	.080	6° Dish	105
10576-8*	Int.	1.940	.3415	Stock	4.911	.250	10° x 3/8"	.050	.080	6° Dish	116
10550-8*	Int.	2.020	.3415	Stock	4.911	.250	10° x 3/8"	.050	.080	6° Dish	109
VALVES FOR USE WITH RAIL TYPE ROCKERS											
10723-8	Exh.	1.465	.3415	Stock	5.080	.395	Pro Flo: 12° x 3/8"	.060	.100	7° Dish	93
10775-8	Exh.	1.550	.3415	Stock	5.080	.395	Pro Flo: 12° x 3/8"	.060	.100	7° Dish	94
10778-8	Int.	1.850	.3420	Stock	5.075	.395	Pro Flo: 12° x 3/8"	.050	.080	7° Dish	105

* Ford valves with .250" tips must use non-rail type rockers or roller rockers.

FORD 289 - 302 - 351W

RACE FLO VALVES

- ✓ XH-426 Stainless Exhaust Material
- ✓ NK-842 Stainless Intake Material
- ✓ Improved Flow with "Pro Flo" Underhead
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head	Wgt/ Grams
VALVES FOR USE WITH NON RAIL OR ROLLER ROCKERS											
11531-8*	Exh.	1.600	.3415	Stock	4.911	.250	Pro Flo: 12° x 3/8"	.060	.100	7° Dish	94
11532-8*	Int.	1.940	.3415	Stock	4.911	.250	Pro Flo: 10° x 3/8"	.050	.080	5° Dish	107
11566-8*	Int.	2.020	.3415	Stock	4.911	.250	Pro Flo: 12° x 3/8"	.050	.080	5° Dish	113
VALVES FOR USE WITH RAIL TYPE ROCKERS											
11523-8	Exh.	1.465	.3415	Stock	5.080	.395	Pro Flo: 12° x 3/8"	.060	.100	5° Dish	93
11575-8	Exh.	1.550	.3415	Stock	5.080	.395	Pro Flo: 12° x 3/8"	.060	.100	5° Dish	94
11889-8	Exh.	1.600	.3415	Stock	5.080	.395	Pro Flo: 12° x 3/8"	.060	.100	5° Dish	95
11572-8	Int.	1.785	.3420	Stock	5.075	.395	Pro Flo: 12° x 3/8"	.050	.080	5° Dish	104
11578-8	Int.	1.850	.3420	Stock	5.075	.395	Pro Flo: 12° x 3/8"	.050	.080	5° Dish	105
11888-8	Int.	1.940	.3420	Stock	5.075	.395	Pro Flo: 12° x 3/8"	.050	.080	5° Dish	110

* Ford valves with .250" tips must use non-rail type rockers or roller rockers.

Ford S.V.O. straight stem equivalents: P/N 11575 = M-6505-G302 P/N 11578 = M-6507-G302

*Need a different length? Head diameter not listed?
See pages 42 & 43 for Gen II blanks to construct a valve to your exact specifications.*

STAINLESS VALVES

VALVES

FORD 351C

RACE MASTER VALVES & SEVERE DUTY® VALVES

- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head	Wgt/ Grams
RACE MASTER VALVES											
11873-8	Exh.	1.710	.3415	Stock	5.042	.250	10° x 3/8"	.060	.100	7° Dish	108
11872-8	Int.	2.190	.3415	Stock	5.244	.250	10° x 3/8"	.050	.080	5° Dish	139
11874-8	Int.	2.250	.3415	Stock	5.244	.250	10° x 3/8"	.050	.080	5° Dish	140
SEVERE DUTY® VALVES											
11807-8	Exh.	1.655	.3415	Stock	5.067	.220	12° x 3/8"	.085	.100	7° Dish	102
11853-8	Exh.	1.655	.3415	.100 Longer	5.167	.250	12° x 3/8"	.085	.100	7° Dish	105
11805-8	Exh.	1.710	.3415	Stock	5.067	.220	12° x 3/8"	.085	.100	7° Dish	108
11857-8	Exh.	1.710	.3415	.100 Longer	5.167	.250	12° x 3/8"	.085	.100	7° Dish	111
11800-8	Int.	2.190	.3415	Stock	5.244	.250	12° x 3/8"	.050	.080	7° Dish	139
11822-8	Int.	2.190	.3415	.100 Longer	5.344	.250	12° x 3/8"	.050	.080	7° Dish	140
11802-8	Int.	2.250	.3415	Stock	5.244	.250	12° x 3/8"	.050	.100	7° Dish	139
11850-8	Int.	2.250	.3415	.100 Longer	5.344	.250	12° x 3/8"	.050	.100	7° Dish	142

FORD SVO "SPORTSMAN"

N-351 CYLINDER HEAD

RACE MASTER VALVES & SEVERE DUTY® VALVES

- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head	Wgt/ Grams
RACE MASTER VALVES											
11321-8	Exh.	1.600	.3415	Stock	5.165	.290	15° x 1/2"	.090	.100	9° Dish	112
11316-8	Int.	2.020	.3415	Stock	5.140	.290	12° x 3/8"	.065	.080	7° Dish	127
SEVERE DUTY® VALVES											
11865-8	Exh.	1.600	.3415	Stock	5.121	.250	15° x 1/2"	.070	.100	9° Dish	105
11751-8	Exh.	1.600	.3415	Stock	5.165	.290	15° x 1/2"	.090	.100	9° Dish	110
11544-8	Int.	2.020	.3415	Stock	5.140	.290	10° x 3/8"	.065	.080	5° Dish	125

*Need a different length? Head diameter not listed?
See pages 42 & 43 for Gen II blanks to construct a valve to your exact specifications.*

STAINLESS VALVES

VALVES

FORD 429 - 460 RACE MASTER VALVES

- ✓ XH-426 Stainless Exhaust Material
- ✓ NK-842 Stainless Intake Material
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11875-8	Exh.	1.760	.3415	Stock	5.042	.250	12° x 3/8"	.060	.100	7° Dish	113
11872-8	Int.	2.190	.3415	Stock	5.244	.250	10° x 3/8"	.050	.080	5° Dish	139
11874-8	Int.	2.250	.3415	Stock	5.244	.250	10° x 3/8"	.050	.080	5° Dish	140
BLUE THUNDER HEADS											
11829-8	Exh.	1.880	.3415	Stock	5.070	.250	25° x 3/8"	.090	.100	20° Dish	118
11899-8	Exh.	1.880	.3415	.100 Longer	5.170	.250	25° x 3/8"	.090	.100	20° Dish	120
11874-8	Int.	2.250	.3415	Stock	5.244	.250	10° x 3/8"	.050	.080	5° Dish	140

FORD 429 - 460 SEVERE DUTY® VALVES

- ✓ XH-428 Stainless Exhaust Material
- ✓ NK-844 Stainless Intake Material
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11529-8	Exh.	1.760	.3415	Stock	5.067	.250	12° x 3/8"	.085	.085	7° Dish	113
11801-8	Exh.	1.760	.3415	.100 Longer	5.167	.250	12° x 3/8"	.085	.085	7° Dish	116
11800-8	Int.	2.190	.3415	Stock	5.244	.250	12° x 3/8"	.050	.080	7° Dish	139
11822-8	Int.	2.190	.3415	.100 Longer	5.344	.250	12° x 3/8"	.050	.080	7° Dish	140
11802-8	Int.	2.250	.3415	Stock	5.244	.250	12° x 3/8"	.050	.100	7° Dish	139
11850-8	Int.	2.250	.3415	.100 Longer	5.344	.250	12° x 3/8"	.050	.100	7° Dish	142

The size of the Super Cobra Jet valves are 2.245" Int. (30° seat) and 1.750" Exh. Other 429 - 460 cylinder heads have smaller valve diameters. Our valves can be easily cut or the seats enlarged.

Need a different length? Head diameter not listed?

See pages 42 & 43 for Gen II blanks to construct a valve to your exact specifications.

FORD 429 - 460

ALUMINUM AFTERMARKET HEADS RACEMASTER & SEVERE DUTY® VALVES

- ✓ XH-426 Stainless Exhaust Material
- ✓ NK-844 Stainless Intake Material
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11591-8	Exh.	1.880	.3415	Stock	5.655	.260	25° x 3/8"	.075	.100	20° Dish	129
11586-8	Int.	2.250	.3415	Stock	5.725	.260	10° x 13/32"	.065	.075	5° Dish	153
11588-8	Int.	2.300	.3415	Stock	5.725	.260	10° x 13/32"	.065	.075	5° Dish	166
11590-8	Int.	2.400	.3415	Stock	5.725	.260	10° x 13/32"	.065	.075	5° Dish	170

(11588 = M-6507-A460; 11586 = M-6507-B460; 11591 = M-6505-A460; 11590 = M-6507-E460)

FORD 427

(MEDIUM, HI RISER, TUNNEL PORT) SEVERE DUTY® SOLID STEM VALVES

- ✓ XH-428 Stainless Exhaust Material
- ✓ NK-844 Stainless Intake Material
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11825-8	Exh.	1.750	.3705	Stock	5.426	.320	20° x 3/8"	.060	.100	15° Dish	124
11884-8	Int.	2.190	.3715	Stock	5.446	.320	23° x 5/16"	.070	.120	20° Dish	143
11804-8	Int.	2.250	.3715	Stock	5.454	.320	23° x 5/16"	.065	.090	20° Dish	145

The above valves can be cut down to 1.656" for the 428 exhaust and 2.090" for the 428 intake. The lengths of the 427 and 428 valves are the same. Valves 11804 and 11884 have a 30° seat.

FORD BOSS 429

RACE MASTER VALVES

- ✓ XH-426 Stainless Exhaust Material
- ✓ NK-842 Stainless Intake Material
- ✓ Chrome Stems and Hard Tips
- ✓ Swirl Polished and Fully Machined



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11787-8	Exh.	1.900	.3715	Stock	5.650	.350	15° x 1/2"	.080	.100	9° Dish	122
11786-8*	Int.	2.280	.3715	Stock	5.625	.350	12° x 3/8"	.060	.100	7° Dish	141
11788-8*	Int.	2.400	.3715	Stock	5.570	.350	12° x 3/8"	.060	.100	7° Dish	143

* P/N 11786-8 & P/N 11788-8 have a 30° seat

5.570" is the length of the NASCAR intake valve. It is short because it is sunk in the head. If you do not wish to sink the valve, order a GEN II intake at your desired length.

STAINLESS VALVES

HONDA / ACURA

RACE FLO / RACE MASTER VALVES

Part No.	Type	Head Diameter	Stem Diameter	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head
ACURA INTEGRA GSR 1.7L - DOHC V-TEC 16 VALVE (B17A1) - 1992 - 1993									
ACURA INTEGRA GSR 1.8L - DOHC V-TEC 16 VALVE (B18C1-C3) - 1994 - 2000									
HONDA DEL SOL 1.6L - DOHC V-TEC 16 VALVE (B16A1) - 1994 - 1997									
HONDA CIVIC SI 1.6L - DOHC V-TEC 16 VALVE (B16A3) - 1999 - 2000									
11373-8	Exh.	28.0 mm	5.5 mm / .2165"	102.70 mm	2.5 mm	25° x 11/32"	.065"	.080"	20° Dish
11691-8	Exh.	28.0 mm	5.5 mm / .2165"	102.70 mm	2.5 mm	Pro Flo: 22° x 5/16"	.065"	.080"	Flat Face
11375-8	Exh.	28.5 mm	5.5 mm / .2165"	102.70 mm	2.5 mm	25° x 11/32"	.065"	.080"	20° Dish
11693-8	Exh.	28.5 mm	5.5 mm / .2165"	102.70 mm	2.5 mm	Pro Flo: 22° x 5/16"	.065"	.080"	Flat Face
11377-8	Exh.	29.0 mm	5.5 mm / .2165"	102.70 mm	2.5 mm	25° x 11/32"	.065"	.080"	20° Dish
ACURA RSX Type S 2.0L - DOHC i-VTEC 16 VALVE (K20A2) - 2001 - Up									
11127-8	Exh.	30.0 mm	5.5 mm / .2165"	109.04 mm	2.08 mm	25° x 11/32"	.065"	.080"	20° Dish
11129-8	Exh.	30.5 mm	5.5 mm / .2165"	109.04 mm	2.08 mm	25° x 11/32"	.065"	.080"	20° Dish
11131-8	Exh.	31.0 mm	5.5 mm / .2165"	109.04 mm	2.08 mm	25° x 11/32"	.065"	.080"	20° Dish
11128-8	Int.	35.0 mm	5.5 mm / .2165"	109.22 mm	2.08 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
11130-8	Int.	35.5 mm	5.5 mm / .2165"	109.22 mm	2.08 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
11132-8	Int.	36.0 mm	5.5 mm / .2165"	109.22 mm	2.08 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
HONDA ACCORD 2.2L - SOHC V-TEC 16 VALVE (F22B1) - 1994 - 1997									
11371-8	Exh.	29 mm	5.5 mm / .2165"	114.25 mm	3.5 mm	25° x 11/32"	.065"	.080"	20° Dish
11379-8	Exh.	30 mm	5.5 mm / .2165"	114.25 mm	3.5 mm	25° x 11/32"	.065"	.080"	20° Dish
11370-8	Int.	34 mm	5.5 mm / .2165"	116.00 mm	3.5 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
11378-8	Int.	35 mm	5.5 mm / .2165"	116.00 mm	3.5 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
HONDA CIVIC 1.6L - SOHC 16 VALVE (D16Z6-Y5-Y7-Y8) - 1992 - 2000									
11367-8	Exh.	26 mm	5.5 mm / .2165"	115.95 mm	1.9 mm	25° x 11/32"	.065"	.080"	20° Dish
11369-8	Exh.	27 mm	5.5 mm / .2165"	115.95 mm	1.9 mm	25° x 11/32"	.065"	.080"	20° Dish
11366-8	Int.	30 mm	5.5 mm / .2165"	118.60 mm	1.9 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
11368-8	Int.	31 mm	5.5 mm / .2165"	118.60 mm	1.9 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
HONDA CIVIC CRX SI 1.6L - SOHC 16 VALVE (D16A6) - 1988 - 1991									
11383-8	Exh.	25 mm	5.5 mm / .2165"	118.75 mm	4.35 mm	Pro Flo: 22° x 5/16"	.065"	.080"	17° Dish
11385-8	Exh.	26 mm	5.5 mm / .2165"	118.75 mm	4.35 mm	Pro Flo: 22° x 5/16"	.065"	.080"	17° Dish
11384-8	Int.	29 mm	5.5 mm / .2165"	115.00 mm	4.1 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
11386-8	Int.	30 mm	5.5 mm / .2165"	115.00 mm	4.1 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
HONDA PRELUDE 2.2L - DOHC V-TEC 16 VALVE (H22A1-A4) - 1993 - 2000									
11393-8	Exh.	30.0 mm	5.5 mm / .2165"	106.90 mm	1.9 mm	25° x 11/32"	.065"	.080"	20° Dish
11339-8	Exh.	30.5 mm	5.5 mm / .2165"	106.90 mm	1.9 mm	25° x 11/32"	.065"	.080"	20° Dish
11395-8	Exh.	31.0 mm	5.5 mm / .2165"	106.90 mm	1.9 mm	25° x 11/32"	.065"	.080"	20° Dish
11394-8	Int.	35.0 mm	5.5 mm / .2165"	106.65 mm	1.9 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
11338-8	Int.	35.5 mm	5.5 mm / .2165"	106.65 mm	1.9 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
11396-8	Int.	36.0 mm	5.5 mm / .2165"	106.65 mm	1.9 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish

All Manley Performance aftermarket valves for the Honda / Acura engines are manufactured with a 5.5 mm stem diameter. We recommend that customers check their valve guide size in order to achieve the proper valve stem to guide clearance. Guides may need to be honed when replacing valves. Factory size may vary slightly depending on the specific engine.

NISSAN

RACE FLO / RACE MASTER VALVES

- ✓ XH-426 Stainless Exhaust Material
- ✓ Chrome Stems and Hard Tips
- ✓ Improved flow with "Pro Flo" Intakes
- ✓ NK-842 Stainless Intake Material
- ✓ Swirl Polished and Fully Machined



Part No.	Type	Head Diameter	Stem Diameter	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head
NISSAN 300 ZX 3.0L - DOHC 24 VALVE (VG30D - TURBO VG30DTT) - 1990 - 1996									
11105-12	Exh.	29.5 mm	6 mm / .2362"	103.65 mm	3.5 mm	25° x 11/32"	.065"	.080"	20° Dish
11107-12	Exh.	30.5 mm	6 mm / .2362"	103.65 mm	3.5 mm	25° x 11/32"	.065"	.080"	20° Dish
11106-12	Int.	34.0 mm	6 mm / .2362"	103.13 mm	3.5 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
11108-12	Int.	35.0 mm	6 mm / .2362"	103.13 mm	3.5 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
NISSAN 3.5L V6 - DOHC 24 VALVE (VQ35DE, VQ35DET)									
11149-12	Exh.	31.5 mm	6 mm / .2362"	94 mm	3.5 mm	25° x 11/32"	.065"	.080"	20° Dish
11151-12	Exh.	32.0 mm	6 mm / .2362"	94 mm	3.5 mm	25° x 11/32"	.065"	.080"	20° Dish
11153-12	Exh.	32.5 mm	6 mm / .2362"	94 mm	3.5 mm	25° x 11/32"	.065"	.080"	20° Dish
11148-12	Int.	37.0 mm	6 mm / .2362"	96.5 mm	3.5 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
11150-12	Int.	37.5 mm	6 mm / .2362"	96.5 mm	3.5 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
11152-12	Int.	38.0 mm	6 mm / .2362"	96.5 mm	3.5 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
NISSAN PATROL St-S, St-L, Ti 4.8L - DOHC 24 VALVE (VTC)									
11141-12	Exh.	33.5 mm	6.96 mm / .2740"	98.3 mm	3.56 mm	25° x 3/8"	.050"	.100"	Flat Face
11143-12	Exh.	34.7 mm	6.96 mm / .2740"	98.3 mm	3.56 mm	25° x 3/8"	.050"	.100"	Flat Face
11177-12	Exh.	35.0 mm	6.96 mm / .2740"	98.3 mm	3.56 mm	25° x 3/8"	.050"	.100"	Flat Face
11179-12	Exh.	35.0 mm	6.96 mm / .2740"	98.3 mm	3.56 mm	25° x 3/8"	.050"	.100"	20° Dish
11181-12	Exh.	35.5 mm	6.96 mm / .2740"	98.3 mm	3.56 mm	25° x 3/8"	.050"	.100"	Flat Face
11183-12	Exh.	35.5 mm	6.96 mm / .2740"	98.3 mm	3.56 mm	25° x 3/8"	.050"	.100"	20° Dish
11142-12	Int.	38.5 mm	6.96 mm / .2740"	100.21 mm	3.56 mm	Pro Flo: 12° x 3/8"	.045"	.100"	Flat Face
11144-12	Int.	39.7 mm	6.96 mm / .2740"	100.21 mm	3.56 mm	Pro Flo: 12° x 3/8"	.045"	.100"	Flat Face
11174-12	Int.	40.0 mm	6.96 mm / .2740"	100.21 mm	3.56 mm	Pro Flo: 12° x 3/8"	.045"	.100"	Flat Face
11176-12	Int.	40.0 mm	6.96 mm / .2740"	100.21 mm	3.56 mm	Pro Flo: 12° x 3/8"	.045"	.100"	7° Dish
11178-12	Int.	40.5 mm	6.96 mm / .2740"	100.21 mm	3.56 mm	Pro Flo: 12° x 3/8"	.045"	.100"	Flat Face
11180-12	Int.	40.5 mm	6.96 mm / .2740"	100.21 mm	3.56 mm	Pro Flo: 12° x 3/8"	.045"	.100"	7° Dish
NISSAN SENTRA SE-R 2.0L - DOHC 16 VALVE (SR20DE) - 1991 - 1998									
11109-8	Exh.	30.15 mm	6 mm / .2362"	102.4 mm	3.5 mm	25° x 11/32"	.065"	.080"	20° Dish
11111-8	Exh.	31.15 mm	6 mm / .2362"	102.4 mm	3.5 mm	25° x 11/32"	.065"	.080"	20° Dish
NISSAN SENTRA SE-R 2.0L - DOHC 16 VALVE (SR20DET) - 1991 - 1998									
11145-8*	Exh.	30.15 mm	7 mm / .2740"	102.4 mm	3.5 mm	15° x 1/2"	.065"	.080"	9° Dish
11147-8*	Exh.	31.15 mm	7 mm / .2740"	102.4 mm	3.5 mm	15° x 1/2"	.065"	.080"	9° Dish
* Both of these exhaust valves feature a 1mm stem diameter reduction in the keeper groove area to allow the use of the same valve springs, retainers and locks as the intake valves.									
NISSAN SENTRA SE-R 2.0L - DOHC 16 VALVE (SR20DE, SR20DET) - 1991 - 1998									
11110-8	Int.	34.15 mm	6 mm / .2362"	101.4 mm	3.5 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
11112-8	Int.	35.15 mm	6 mm / .2362"	101.4 mm	3.5 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
NISSAN 2.6L INLINE 6-24 VALVE (RB26DET/T)									
11163-12*	Exh.	30.15 mm	7 mm / .2740"	101.52 mm	3.5 mm	15° x 1/2"	.065"	.080"	9° Dish
11165-12*	Exh.	31.15 mm	7 mm / .2740"	101.52 mm	3.5 mm	15° x 1/2"	.065"	.080"	9° Dish
* Both of these exhaust valves feature a 1mm stem diameter reduction in the keeper groove area to allow the use of the same valve springs, retainers and locks as the intake valves.									
11162-12	Int.	34.6 mm	6 mm / .2362"	102.33 mm	3.5 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
11164-12	Int.	35.6 mm	6 mm / .2362"	102.33 mm	3.5 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
NISSAN 3.0L INLINE 6 - SOHC 12 VALVE (RB30E/T)									
11185-6	Exh.	35.1 mm	8 mm / .3136"	124.59 mm	4.45 mm	25° x 7/16"	.065"	.100"	18° Dish
11187-6	Exh.	36.1 mm	8 mm / .3136"	124.59 mm	4.45 mm	25° x 7/16"	.065"	.100"	18° Dish
11182-6	Int.	42.1 mm	7 mm / .2750"	125.68 mm	4.45 mm	10° x 3/8"	.050"	.080"	5° Dish
11184-6	Int.	43.1 mm	7 mm / .2750"	125.68 mm	4.45 mm	10° x 3/8"	.050"	.080"	5° Dish

Manley Performance recommends that customers check their valve guide size in order to achieve the proper valve stem to guide clearance. Guides may need to be honed when replacing valves. Factory sizes may vary depending on the specific engine.

Note: New part numbers are **ITALICIZED**.

STAINLESS VALVES

VALVES

MAZDA

RACE FLO / RACE MASTER VALVES

- ✓ XH-426 Stainless Exhaust Material
- ✓ Chrome Stems and Hard Tips
- ✓ Improved flow with "Pro Flo" Intakes
- ✓ NK-842 Stainless Intake Material
- ✓ Swirl Polished and Fully Machined



Part No.	Type	Head Diameter	Stem Diameter	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head
MAZDA MIATA 1.8L - DOHC 16 VALVE (BP056) - 1990 - 1999									
11101-8	Exh.	28 mm	6 mm / .2362"	101.52 mm	3.5 mm	25° x 11/32"	.065"	.080"	20° Dish
11103-8	Exh.	29 mm	6 mm / .2362"	101.52 mm	3.5 mm	25° x 11/32"	.065"	.080"	20° Dish
11102-8	Int.	33 mm	6 mm / .2362"	101.35 mm	3.5 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
11104-8	Int.	34 mm	6 mm / .2362"	101.35 mm	3.5 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish

MITSUBISHI

RACE FLO VALVES

- ✓ XH-426 Stainless Exhaust Material
- ✓ Chrome Stems and Hard Tips
- ✓ Improved flow with "Pro Flo" Underhead
- ✓ NK-842 Stainless Intake Material
- ✓ Swirl Polished and Fully Machined



Part No.	Type	Head Diameter	Stem Diameter	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head
MITSUBISHI ECLIPSE GS, GST 2.0L - DOHC 16 VALVE (4G63-4G63T) 1990 - 2000									
11133-8	Exh.	30.5 mm	6.54 mm / .2575"	109.7 mm	3.8 mm	Pro Flo: 22° x 7/16"	.065"	.080"	17° Dish
11161-8	Exh.	31.0 mm	6.54 mm / .2575"	109.7 mm	3.8 mm	Pro Flo: 22° x 7/16"	.065"	.080"	17° Dish
11135-8	Exh.	31.5 mm	6.54 mm / .2575"	109.7 mm	3.8 mm	Pro Flo: 22° x 7/16"	.065"	.080"	17° Dish
11134-8	Int.	34 mm	6.57 mm / .2587"	109.7 mm	3.8 mm	Pro Flo: 20° x 11/32"	.050"	.075"	15° Dish
11160-8	Int.	34.5 mm	6.57 mm / .2587"	109.7 mm	3.8 mm	Pro Flo: 20° x 11/32"	.050"	.075"	15° Dish
11136-8	Int.	35 mm	6.57 mm / .2587"	109.7 mm	3.8 mm	Pro Flo: 20° x 11/32"	.050"	.075"	15° Dish

SUBARU WRX 2000-03 EJ20 & 2004 STI

RACE SERIES VALVES & EXTREME DUTY VALVES

- ✓ XtremeAlloy and XH-426 Stainless Exhaust Material
- ✓ Swirl Polished and Fully Machined
- ✓ NK-842 Stainless Intake Material
- ✓ Chrome Stems and Hard Tips



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Margin	Seat Width	Top of Head
RACE MASTER VALVES										
11155-8	Exh.	32 mm	6.0 mm/.2362"	Stock	104.75 mm	3.5 mm	25° x 11/32"	.060	.080	20° Dish
11171-8	Exh.	33 mm	6.0 mm/.2362"	Stock	104.75 mm	3.5 mm	25° x 11/32"	.060	.080	20° Dish
EXTREME DUTY VALVES										
11137-8	Exh.	32 mm	5.96mm/.2345"	Stock	104.75 mm	3.5 mm	25° x 11/32"	.060	.100	20° Dish
11139-8	Exh.	33 mm	5.96mm/.2345"	Stock	104.75 mm	3.5 mm	25° x 11/32"	.060	.100	20° Dish
RACE FLO VALVES										
11138-8	Int.	36 mm	6.0mm/.2362"	Stock	104.6 mm	3.5 mm	Pro Flo: 22° x 5/16"	.050	.080	17° Dish
11140-8	Int.	37 mm	6.0mm/.2362"	Stock	104.6 mm	3.5 mm	Pro Flo: 22° x 5/16"	.050	.080	17° Dish

All Manley Performance aftermarket intake valves and exhaust valve 11155 and 11171 for the Subaru engines are manufactured with a 6 mm stem diameter. We recommend that customers check their valve guide size in order to achieve the proper valve stem to guide clearance. Guides may need to be honed when replacing valves. Factory sizes may vary depending on the specific motor.

Note: New part numbers are **ITALICIZED**.

TOYOTA RACE FLO / RACE MASTER VALVES

- ✓ XH-426 Stainless Exhaust Material
- ✓ Improved flow with "Pro Flo" Intake Underhead
- ✓ NK-842 Stainless Intake Material
- ✓ Chrome Stems, Swirl Polished and Fully Machined



Part No.	Type	Head Diameter	Stem Diameter	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head
TOYOTA 4AG (ATLANTIC)									
11113-8	Exh.	27.5 mm	6 mm / .2362"	99.75 mm	3.5 mm	25° x 11/32"	.065"	.080"	20° Dish
11114-8	Int.	32.0 mm	6 mm / .2362"	99.6 mm	3.5 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
TOYOTA LAND CRUISER 4.5L - DOHC 24 VALVE (1FZ-FE) - 1993 - 1998									
11167-12	Exh.	32.0 mm	7 mm / .2740"	99 mm	3.8 mm	15° x 1/2"	.065"	.080"	Flat Face
11169-12	Exh.	33.2 mm	7 mm / .2740"	99 mm	3.8 mm	15° x 1/2"	.065"	.080"	Flat Face
11189-12	Exh.	33.5 mm	7 mm / .2740"	99 mm	3.8 mm	15° x 1/2"	.065"	.080"	Flat Face
11191-12	Exh.	33.5 mm	7 mm / .2740"	99 mm	3.8 mm	15° x 1/2"	.065"	.080"	9° Dish
11173-12	Exh.	34.0 mm	7 mm / .2740"	99 mm	3.8 mm	15° x 1/2"	.065"	.080"	Flat Face
11175-12	Exh.	34.0 mm	7 mm / .2740"	99 mm	3.8 mm	15° x 1/2"	.065"	.080"	9° Dish
11166-12	Int.	38.0 mm	7 mm / .2740"	100 mm	3.8 mm	Pro Flo: 10° x 3/8"	.050"	.075"	Flat Face
11168-12	Int.	39.2 mm	7 mm / .2740"	100 mm	3.8 mm	Pro Flo: 10° x 3/8"	.050"	.075"	Flat Face
11186-12	Int.	39.5 mm	7 mm / .2740"	100 mm	3.8 mm	Pro Flo: 10° x 3/8"	.050"	.075"	Flat Face
11188-12	Int.	39.5 mm	7 mm / .2740"	100 mm	3.8 mm	Pro Flo: 10° x 3/8"	.050"	.075"	5° Dish
11170-12	Int.	40.0 mm	7 mm / .2740"	100 mm	3.8 mm	Pro Flo: 10° x 3/8"	.050"	.075"	Flat Face
11172-12	Int.	40.0 mm	7 mm / .2740"	100 mm	3.8 mm	Pro Flo: 10° x 3/8"	.050"	.075"	5° Dish
TOYOTA MR2 2.0L - DOHC 16 VALVE (TURBO 3SGTE) - 1990 - 1995									
11115-8	Exh.	29.0 mm	6 mm / .2362"	99.5 mm	3.5 mm	25° x 11/32"	.065"	.080"	20° Dish
11117-8	Exh.	30.0 mm	6 mm / .2362"	99.5 mm	3.5 mm	25° x 11/32"	.065"	.080"	20° Dish
11116-8	Int.	33.5 mm	6 mm / .2362"	100.55 mm	3.5 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
11118-8	Int.	34.5 mm	6 mm / .2362"	100.55 mm	3.5 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
TOYOTA SCION tC 2.4L - DOHC 16 VALVE (2AZFE)									
11157-8	Exh.	29.5 mm	5.5 mm / .2165"	101.65 mm	2.49 mm	25° x 11/32"	.065"	.080"	Flat Face
11159-8	Exh.	30.5 mm	5.5 mm / .2165"	101.65 mm	2.49 mm	25° x 11/32"	.065"	.080"	Flat Face
11156-8	Int.	34.0 mm	5.5 mm / .2165"	101.96 mm	2.49 mm	Pro Flo: 22° x 5/16"	.050"	.075"	Flat Face
11158-8	Int.	35.0 mm	5.5 mm / .2165"	101.96 mm	2.49 mm	Pro Flo: 22° x 5/16"	.050"	.075"	Flat Face
TOYOTA SUPRA 3.0L - DOHC 24 VALVE (7MGE - TURBO 7MGTE) - 1986 - 1992									
11119-12	Exh.	27.5 mm	6 mm / .2362"	98.05 mm	4.0 mm	25° x 11/32"	.065"	.080"	20° Dish
11121-12	Exh.	28.5 mm	6 mm / .2362"	98.05 mm	4.0 mm	25° x 11/32"	.065"	.080"	20° Dish
11120-12	Int.	32.0 mm	6 mm / .2362"	98.05 mm	4.0 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
11122-12	Int.	33.0 mm	6 mm / .2362"	98.05 mm	4.0 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
TOYOTA SUPRA 3.0L I/L 6 CYL - DOHC 24 VALVE (2JZGE - 2JZGTE) - 1994 - 1998									
11123-12	Exh.	29.0 mm	6 mm / .2362"	99.1 mm	3.5 mm	25° x 11/32"	.065"	.080"	20° Dish
11125-12	Exh.	30.0 mm	6 mm / .2362"	99.1 mm	3.5 mm	25° x 11/32"	.065"	.080"	20° Dish
11124-12	Int.	33.6 mm	6 mm / .2362"	98.55 mm	3.5 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish
11126-12	Int.	34.6 mm	6 mm / .2362"	98.55 mm	3.5 mm	Pro Flo: 22° x 5/16"	.050"	.075"	17° Dish

All Manley Performance aftermarket valves for the Toyota engines are manufactured with either 5.5, 6 or 7mm stem diameters. We recommend that customers check their valve guide size in order to achieve the proper valve stem to guide clearance. Guides may need to be honed when replacing valves. Factory sizes may vary depending on the specific motor.



PTuning
Redline Time Attack Winner
Englishtown, NJ

Note: New part numbers are *ITALICIZED*.

STAINLESS VALVES

VALVES

VOLKSWAGEN RABBIT

RACE MASTER VALVES

- ✓ XH-426 Stainless Exhaust Material
- ✓ NK-842 Stainless Intake Material
- ✓ Chrome Stems, Swirl Polished and Fully Machined
- ✓ Special Hard Tips and Hardened Keeper Grooves



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11657-4	Exh.	34.0 mm	.313	Stock	3.976	.130	15° x 3/8"	.075	.075	10° Dish	63
11656-4	Int.	40.5 mm	.313	Stock	3.976	.130	10° x 11/32"	.075	.075	5° Dish	76

VOLKSWAGEN 1200 - 1600

RACE MASTER VALVES

- ✓ XH-426 Stainless Exhaust Material
- ✓ NK-842 Stainless Intake Material
- ✓ Chrome Stems, Swirl Polished and Fully Machined
- ✓ Special Hard Tips and Hardened Keeper Grooves



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11649-4	Exh.	32.0 mm	.3130	Stock	4.405	.170	15° x 3/8"	.070	.090	10° Dish	65
11651-4	Exh.	33.0 mm	.3130	Stock	4.405	.170	15° x 3/8"	.070	.090	10° Dish	67
11653-4	Exh.	35.5 mm	.3130	Stock	4.405	.170	15° x 3/8"	.070	.090	10° Dish	69
11655-4	Exh.	37.5 mm	.3130	Stock	4.405	.170	15° x 3/8"	.070	.090	10° Dish	73
11650-4	Int.	40.0 mm	.3130	Stock	4.405	.170	10° x 11/32"	.070	.090	6° Dish	79
11652-4	Int.	42.0 mm	.3130	Stock	4.405	.170	10° x 11/32"	.070	.090	6° Dish	79
11654-4	Int.	43.7 mm	.3130	Stock	4.405	.170	10° x 11/32"	.070	.090	6° Dish	83

VOLKSWAGEN TYPE IV

RACE MASTER VALVES

- ✓ XH-426 Stainless Exhaust Material
- ✓ NK-842 Stainless Intake Material
- ✓ Chrome Stems, Swirl Polished and Fully Machined
- ✓ Special Hard Tips and Hardened Keeper Grooves



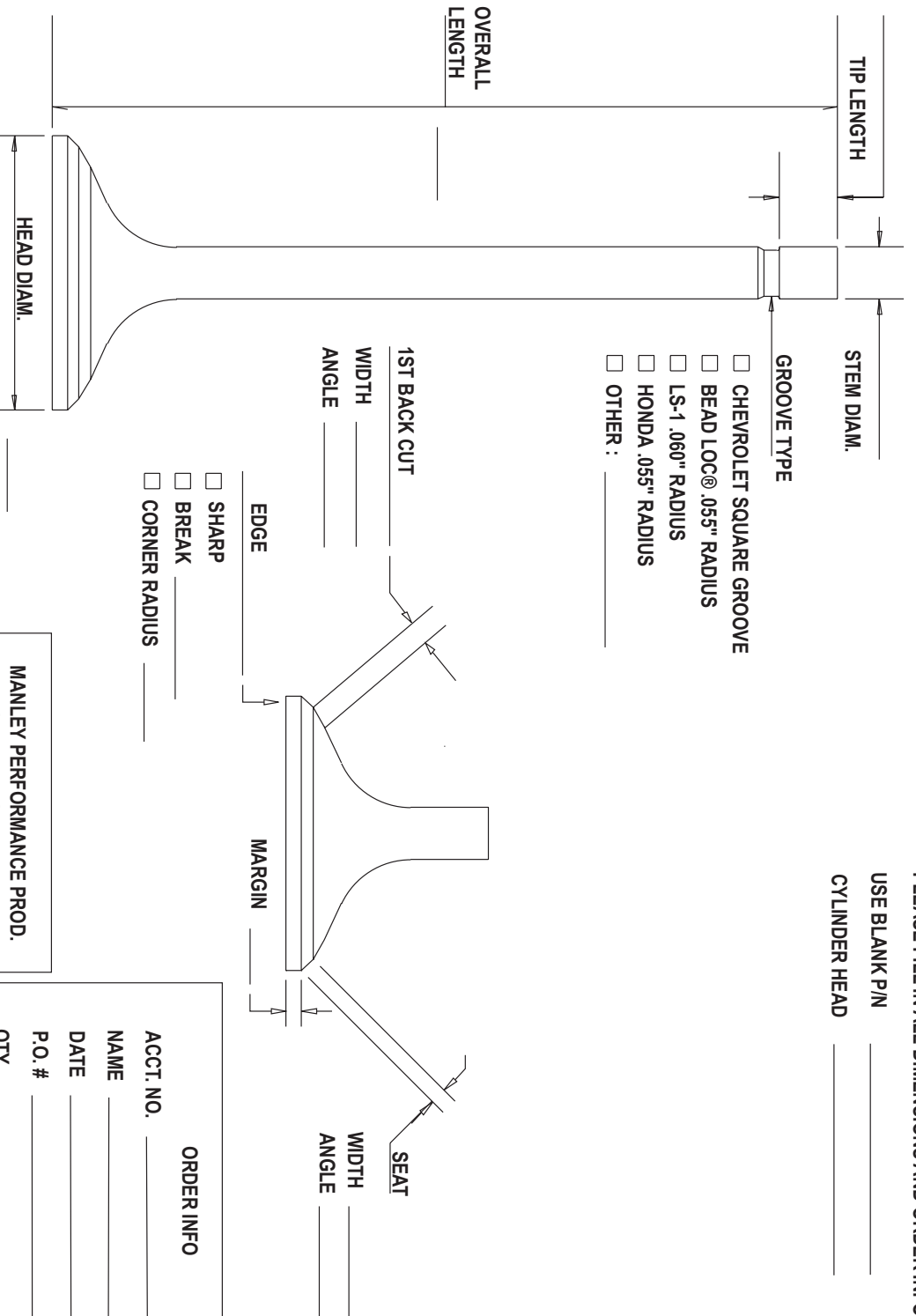
Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Wgt / Grams
11659-4	Exh.	38 mm	.3130	Stock	4.606	.170	15° x 1/2"	.060	.075	9° Dish	78
11658-4	Int.	48 mm	.3130	Stock	4.606	.170	10° x 3/8"	.060	.075	5° Dish	101

A WEAR CAP IS NOT NECESSARY WITH GEN II*

PLEASE FILL IN ALL DIMENSIONS AND ORDER INFO

USE BLANK P/N _____

CYLINDER HEAD _____



* Provided that the overall length is within the minimum length parameter of the Gen II blank that is machined.

MANLEY PERFORMANCE PROD.
 1960 SWARTHMORE AVE.
 LAKEWOOD, NJ 08701
 PHONE: 732-905-3366
 FAX: 732-905-3010

ORDER INFO

ACCT. NO. _____

NAME _____

DATE _____

P.O. # _____

QTY. _____

DUE DATE _____

SHIP VIA _____

CUSTOM STAINLESS VALVES

VALVES

GEN II EXTREME DUTY & SEVERE DUTY® SERIES

- ✓ Hard Tips and Hardened Grooves
- ✓ No Need for Inserted Tips or Wear Caps

The procedure for ordering a custom valve is as simple as 1-2-3 !

1. Select the blank appropriate for your finished piece based first on stem diameter.
2. Give us your final head diameter along with the seat and margin widths.
3. Specify the length of the valve you want, along with groove type and location.

* Part numbers with asterisks can be reduced 1.500" or 38 mm, except P/N 11277 can be reduced 1.750". All others .800" or 20.32 mm.

All Gen II custom stainless valve part numbers are priced to include all machining to render a finished valve provided that no more than .250" of material needs to be removed from the head diameter. If more than .250" of material is to be removed from the head diameter, then an additional machining charge P/N 04007 must be added to the price of the valve.



Part No.	Type	Maximum Head Diameter	Stem Diameter	Maximum Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Material
XTREMEALLOY GEN II CUSTOM EXHAUST VALVES									
11225-8*	Exh.	1.625	.3415	5.600	15° x 1/2"	.080	.100	9° Dish	XtremeAlloy
11223-8*	Exh.	2.060	.3415	6.700	15° x 1/2"	.080	.100	9° Dish	XtremeAlloy
11277-8*	Exh.	2.060	.3415	6.700	18° x 1/2"	.080	.100	Flat Face	XtremeAlloy
11275-8*	Exh.	42.0 mm	8.0 mm / .3136	5.600	25° x 7/16"	.065	.100	18° Dish	XtremeAlloy
11257-8	Exh.	1.750	.3095	5.400	25° x 3/8"	.060	.100	20° Dish	XtremeAlloy
11265-8*	Exh.	39.0 mm	5.96 mm / .2345	4.800	25° x 11/32"	.080	.100	20° Dish	XtremeAlloy
SEVERE DUTY® GEN II CUSTOM VALVES									
11251-8	Exh.	1.940	.3715	5.650	12° x 3/8"	.085	.100	7° Dish	XH-428
11252-8*	Int.	2.300	.3720	5.600	Pro Flo: 12° x 7/16"	.065	.080	7° Dish	NK-844
11252H-8*	Int.	2.300	.3720 Hollow Stem	5.600	Pro Flo: 12° x 7/16"	.065	.080	7° Dish	NK-844
Pro Flo start is 1.600" from the top of the head.									
11245-8	Exh.	1.625	.3415	5.640	15° x 1/2"	.090	.100	9° Dish	XH-428
11255-8	Exh.	1.625	.3415	5.640	30° x 1/2"	.070	.100	25° Dish	XH-428
11253-8	Exh.	1.940	.3415	5.650	12° x 3/8"	.075	.080	7° Dish	XH-428
11221-8	Exh.	2.000	.3415	6.700	25° x 3/8"	.080	.100	20° Dish	XH-428
11219-8	Exh.	2.060	.3415	6.700	15° x 1/2"	.080	.100	9° Dish	XH-428
11256-8*	Int.	2.080	.3415	5.640	10° x 3/8"	.065	.080	5° Dish	NK-844
11254-8*	Int.	2.150	.3415	5.640	12° x 3/8"	.065	.080	7° Dish	NK-844
11254H-8*	Int.	2.150	.3415 Hollow Stem	5.640	12° x 3/8"	.065	.080	7° Dish	NK-844
11242-8*	Int.	2.150	.3415	5.655	Pro Flo: 12° x 3/8"	.065	.080	7° Dish	NK-844
Pro Flo start is 1.600" from the top of the head.									
11258-8*	Int.	2.425	.3415	5.700	12° x 3/8"	.065	.080	7° Dish	NK-844
11220-8*	Int.	2.425	.3415	6.800	10° x 3/8"	.050	.080	5° Dish	NK-844
11222-8*	Int.	2.425	.3415	6.700	20° x 3/8"	.050	.080	15° Dish	NK-844
11279-8*	Exh.	42.0 mm	8.0 mm / .3136	5.600	25° x 7/16"	.065	.100	18° Dish	XH-428
11274-8*	Int.	56.5 mm	8.0 mm / .3133	5.600	Pro Flo: 12° x 3/8"	.060	.095	7° Dish	NK-844
11274H-8*	Int.	56.5 mm	8.0 mm / .3133 Hollow Stem	5.600	Pro Flo: 12° x 3/8"	.060	.095	7° Dish	NK-844
Pro Flo start is 1.300" from the top of the head.									
11227-8	Exh.	1.625	.3110	5.750	15° x 1/2"	.080	.100	9° Dish	XH-428
11263-8	Exh.	1.940	.3110	6.100	12° x 3/8"	.085	.100	7° Dish	XH-428
11224-8*	Int.	2.200	.3110	5.750	12° x 3/8"	.050	.080	7° Dish	NK-844
11224H-8*	Int.	2.200	.3110 Hollow Stem	5.750	12° x 3/8"	.050	.080	7° Dish	NK-844
11264-8*	Int.	2.400	.3110	6.300	10° x 3/8"	.065	.080	5° Dish	NK-844
11264H-8*	Int.	2.400	.3110 Hollow Stem	6.300	10° x 3/8"	.065	.080	5° Dish	NK-844
11229-8	Exh.	1.625	7.0 mm / .2740	5.600	15° x 1/2"	.080	.100	9° Dish	XH-428
11226-8*	Int.	2.200	7.0 mm / .2740	5.600	10° x 3/8"	.050	.080	5° Dish	NK-844

Note: New part numbers are **ITALICIZED**.

CUSTOM STAINLESS VALVES

GEN II RACE SERIES

- ✓ Hard Tips and Hardened Grooves
- ✓ No Need for Inserted Tips or Wear Caps

The procedure for ordering a custom valve is as simple as 1-2-3 !

1. Select the blank appropriate for your finished piece based first on stem diameter.
 2. Give us your final head diameter along with the seat and margin widths.
 3. Specify the length of the valve you want, along with groove type and location.
- * Part numbers with asterisks can be reduced 1.500" or 38 mm. All others .800" or 20.32 mm.



All Gen II custom stainless valve part numbers are priced to include all machining to render a finished valve provided that no more than .250" of material needs to be removed from the head diameter. If more than .250" of material is to be removed from the head diameter, then an additional machining charge P/N 04007 must be added to the price of the valve.

Part No.	Type	Maximum Head Diameter	Stem Diameter	Maximum Length	Underhead Angle / Radius	Margin	Seat Width	Top of Head	Material
11215-8	Exh.	1.940	.3715	5.650	15° x 1/2"	.080	.100	9° Dish	XH-426
11214-8	Int.	2.425	.3715	5.650	12° x 3/8"	.050	.080	7° Dish	NK-842
11203-8	Exh.	1.625	.3415	5.500	15° x 1/2"	.090	.100	9° Dish	XH-426
11217-8	Exh.	1.650	.3415	5.640	Pro Flo: 15° x 1/2"	.090	.100	9° Dish	XH-426
Pro Flo start is 1.600" from the top of the head.									
11243-8	Exh.	1.900	.3415	5.700	25° x 3/8"	.080	.100	20° Dish	XH-426
11201-8	Exh.	1.940	.3415	6.415	25° x 3/8"	.080	.100	20° Dish	XH-426
11241-8	Exh.	1.940	.3415	6.000	10° x 3/8"	.075	.100	5° Dish	XH-426
11218-8	Int.	2.125	.3415	5.540	12° x 3/8"	.065	.080	7° Dish	NK-842
11216-8	Int.	2.150	.3415	5.655	Pro Flo 12° x 3/8"	.065	.080	7° Dish	NK-842
Pro Flo start is 1.600" from the top of the head.									
11200-8	Int.	2.375	.3415	5.700	10° x 3/8"	.050	.080	5° Dish	NK-842
11244-8	Int.	2.425	.3415	6.600	10° x 3/8"	.050	.080	5° Dish	NK-842
11211-4	Exh.	38.5 mm	8.0 mm / .3130"	4.500	15° x 3/8"	.060	.090	10° Dish	XH-426
11205-4	Exh.	40.0 mm	8.0 mm / .3130"	5.000	15° x 1/2"	.080	.100	9° Dish	XH-426
11210-4	Int.	48.5 mm	8.0 mm / .3130"	4.500	10° x 11/32"	.060	.080	5° Dish	NK-842
11204-4	Int.	52.0 mm	8.0 mm / .3130"	5.000	10° x 3/8"	.050	.080	5° Dish	NK-842
11269-8*	Exh.	42.0 mm	8.0 mm / .3136"	5.600	25° x 7/16"	.065	.100	18° Dish	XH-426
11270-8*	Int.	56.5 mm	8.0 mm / .3133"	5.600	Pro Flo: 12° x 3/8"	.060	.095	7° Dish	NK-842
11270H-8*	Int.	56.5 mm	8.0 mm / .3133" Hollow Stem	5.600	Pro Flo: 12° x 3/8"	.060	.095	7° Dish	NK-842
Pro Flo start is 1.300" from the top of the head.									
11271-8	Exh.	1.625	.3125	5.300	25° x 1/2"	.065	.100	20° Dish	XH-426
11272-8	Int.	2.125	.3125	5.300	Pro Flo: 12° x 3/8"	.050	.095	7° Dish	NK-842
11272H-8	Int.	2.125	.3125 Hollow Stem	5.300	Pro Flo: 12° x 3/8"	.050	.095	7° Dish	NK-842
Pro Flo start is 1.300" from the top of the head.									
11207-8	Exh.	1.625	.3110	5.700	15° x 1/2"	.080	.100	9° Dish	XH-426
11261-8	Exh.	1.625	.3110	6.400	18° x 1/2"	.080	.100	12° Dish	XH-426
11206-8	Int.	2.100	.3110	5.700	10° x 3/8"	.050	.080	5° Dish	NK-842
11262-8	Int.	2.100	.3110	6.400	12° x 3/8"	.050	.080	7° Dish	NK-842
11249-8	Exh.	2.100	.3100	5.400	22° x 1/4"	.050	.100	17° Dish	XH-426
11248-8*	Int.	2.300	.3100	5.900	24° x 3/4"	.060	.080	19° Dish	NK-842
11247-8	Exh.	37.0 mm	7.0 mm / .2740"	4.800	15° x 1/2"	.080	.100	9° Dish	XH-426
11267-8	Exh.	41.9mm / 1.650	7.0 mm / .2755"	4.700	30° x 1/2"	.060	.100	24° Dish	XH-426
11246-8	Int.	48.0 mm	7.0 mm / .2740"	4.800	10° x 3/8"	.050	.080	5° Dish	NK-842
11250-8*	Int.	48.0 mm	7.0 mm / .2750"	5.430	10° x 3/8"	.065	.080	5° Dish	NK-842
11268-8	Int.	50.8mm / 2.000	7.0 mm / .2755"	4.600	28° x 7/16"	.050	.100	22° Dish	NK-842
11213-8	Exh.	33.0 mm	6.0 mm / .2362"	113.5 mm	25° x 11/32"	.065	.080	20° Dish	XH-426
11212-8	Int.	39.0 mm	6.0 mm / .2362"	113.5 mm	Pro Flo: 22° x 5/16"	.065	.080	17° Dish	NK-842
11266-8*	Int.	35.0 mm	5.98 mm / .2355"	4.800	12° x 5/16"	.065	.100	7° Dish	NK-842
11209-8	Exh.	32.0 mm	5.5 mm / .2165"	119.0 mm	25° x 11/32"	.065	.080	Flat Face	XH-426
11239-8	Exh.	33.5 mm	5.5 mm / .2165"	122.0 mm	Pro Flo: 22° x 5/16"	.065	.080	Flat Face	XH-426
11208-8	Int.	37.0 mm	5.5 mm / .2165"	119.0 mm	Pro Flo: 22° x 5/16"	.065	.080	Flat Face	NK-842

Note: New part numbers are **ITALICIZED**.

TITANIUM VALVES

VALVES

SMALL BLOCK GM, FORD & CHRYSLER

TITANIUM EXHAUST VALVES

- ✓ All valves have inserted hard tips
- ✓ "HT" suffix indicates high temperature material
- ✓ Available with conventional square or Manley's Bead Loc® single radius keeper grooves



Square Groove Part No.	Bead Loc® Groove Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Wgt / Grams
11401T-8	11401TB-8	Exh.	1.600	.3415	.100 Longer	5.060	.290	15° x 1/2"	.100	.100	73
11403T-8	11403TB-8	Exh.	1.600	.3415	.200 Longer	5.160	.290	15° x 1/2"	.100	.100	74
11405T-8	11405TB-8	Exh.	1.600	.3415	.300 Longer	5.260	.290	15° x 1/2"	.100	.100	75
11407T-8	11407TB-8	Exh.	1.600	.3415	.400 Longer	5.360	.290	15° x 1/2"	.100	.100	76
11409T-8	11409TB-8	Exh.	1.600	.3415	.500 Longer	5.460	.290	15° x 1/2"	.100	.100	77
11451T-8	11451TB-8	Exh.	1.600	.3415	.600 Longer	5.560	.290	15° x 1/2"	.100	.100	78
11463T-8	11463TB-8	Exh.	1.600	.3415	Stock	4.960	.290	20° x 7/16"	.100	.100	74
11425T-8	11425TB-8	Exh.	1.600	.3415	.100 Longer	5.060	.290	20° x 7/16"	.100	.100	75
11467HT-8*	11467HTB-8*	Exh.	1.600	.3415	.200 Longer	5.140	.290	20° x 7/16"	.080	.085	73
11427T-8	11427TB-8	Exh.	1.600	.3415	.200 Longer	5.160	.290	20° x 7/16"	.100	.100	76
11427HT-8	11427HTB-8	Exh.	1.600	.3415	.200 Longer	5.160	.290	20° x 7/16"	.100	.100	76
11429T-8	11429TB-8	Exh.	1.600	.3415	.300 Longer	5.260	.290	20° x 7/16"	.100	.100	77
11431T-8	11431TB-8	Exh.	1.600	.3415	.400 Longer	5.360	.290	20° x 7/16"	.100	.100	78
11433T-8	11433TB-8	Exh.	1.600	.3415	.500 Longer	5.460	.290	20° x 7/16"	.100	.100	79
11471HT-8	11471HTB-8	Exh.	1.600	.3415	.600 Longer	5.560	.290	20° x 7/16"	.100	.100	80
-----	11471TB-8	Exh.	1.600	.3415	.600 Longer	5.560	.290	20° x 7/16"	.100	.100	80
11469HT-8	11469HTB-8	Exh.	1.600	.3415	.600 Longer	5.560	.290	25° x 3/4"	.100	.100	83

* Valve 11467HT has a back cut of .055" x 30°

SMALL BLOCK "ALL PRO" & BRODIX GB CYLINDER HEADS

TITANIUM EXHAUST VALVES



- ✓ All valves are "HT" high temperature material with inserted hard tips
- ✓ All valves have Manley's Bead Loc® single radius keeper grooves

Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width/Angle	Back Cut Width/Angle	Wgt / Grams
11961HTB-8	ALL PRO	1.600	.3415	Stock	5.950	.300	20° x 7/16"	.090	.065/45°	.080/31°	77
11963HTB-8	GB 2000	1.600	.3415	Stock	6.090	.300	25° x 3/4"	.090	.065/45°	-----	80
11965HTB-8	GB 2300	1.600	.3415	Stock	6.250	.300	25° x 3/4"	.090	.065/45°	-----	85

Note: New part numbers are **ITALICIZED**.

SMALL BLOCK GM, FORD & CHRYSLER TITANIUM EXHAUST VALVES



- ✓ All valves have inserted hard tips
- ✓ "HT" suffix indicates high temperature material
- ✓ Available with conventional square or Manley's Bead Loc® single radius keeper grooves

Square Groove Part No.	Bead Loc® Groove Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Wgt / Grams
11411T-8	<i>11411TB-8</i>	Exh.	1.625	.3415	.100 Longer	5.060	.290	15° x 1/2"	.100	.100	74
11413T-8	<i>11413TB-8</i>	Exh.	1.625	.3415	.200 Longer	5.160	.290	15° x 1/2"	.100	.100	75
11417T-8	<i>11417TB-8</i>	Exh.	1.625	.3415	.400 Longer	5.360	.290	15° x 1/2"	.100	.100	77
11419T-8	<i>11419TB-8</i>	Exh.	1.625	.3415	.500 Longer	5.460	.290	15° x 1/2"	.100	.100	78
11447T-8	<i>11447TB-8</i>	Exh.	1.625	.3415	.600 Longer	5.560	.290	15° x 1/2"	.100	.100	79
11447HT-8	<i>11447HTB-8</i>	Exh.	1.625	.3415	.600 Longer	5.560	.290	15° x 1/2"	.100	.100	79
11435T-8	<i>11435TB-8</i>	Exh.	1.625	.3415	.100 Longer	5.060	.290	20° x 7/16"	.100	.100	75
11437T-8	<i>11437TB-8</i>	Exh.	1.625	.3415	.200 Longer	5.160	.290	20° x 7/16"	.100	.100	76
11439T-8	<i>11439TB-8</i>	Exh.	1.625	.3415	.300 Longer	5.260	.290	20° x 7/16"	.100	.100	77
11441T-8	<i>11441TB-8</i>	Exh.	1.625	.3415	.400 Longer	5.360	.290	20° x 7/16"	.100	.100	78
11443T-8	<i>11443TB-8</i>	Exh.	1.625	.3415	.500 Longer	5.460	.290	20° x 7/16"	.100	.100	79
11443HT-8	<i>11443HTB-8</i>	Exh.	1.625	.3415	.500 Longer	5.460	.290	20° x 7/16"	.100	.100	79
11453T-8	<i>11453TB-8</i>	Exh.	1.625	.3415	.600 Longer	5.560	.290	20° x 7/16"	.100	.100	80
11453HT-8	<i>11453HTB-8</i>	Exh.	1.625	.3415	.600 Longer	5.560	.290	20° x 7/16"	.100	.100	80
-----	<i>11475HTB-8</i>	Exh.	1.625	.3415	.700 Longer	5.660	.290	20° x 7/16"	.100	.100	81
11455HT-8	<i>11455HTB-8</i>	Exh.	1.625	.3415	.500 Longer	5.460	.290	25° x 3/4"	.100	.100	85
11457T-8	<i>11457TB-8</i>	Exh.	1.625	.3415	.600 Longer	5.560	.290	25° x 3/4"	.100	.100	86
11457HT-8	<i>11457HTB-8</i>	Exh.	1.625	.3415	.600 Longer	5.560	.290	25° x 3/4"	.100	.100	86
11473T-8	<i>11473TB-8</i>	Exh.	1.625	.3415	.700 Longer	5.660	.290	25° x 3/4"	.100	.100	87
-----	<i>11477TB-8*</i>	Exh.	1.625	.3415	.700 Longer	5.640	.290	25° x 1/2"	.080	.100	85
11445T-8	<i>11445TB-8</i>	Exh.	1.650	.3415	.500 Longer	5.460	.290	20° x 7/16"	.100	.100	81

* Valve 11477TB has a 55° seat.



**Bitner
Automotive**

Note: New part numbers are *ITALICIZED*.

TITANIUM VALVES

VALVES

SMALL BLOCK GM, FORD & CHRYSLER

TITANIUM INTAKE VALVES

- ✓ All valves have inserted hard tips
- ✓ "HT" suffix indicates higher hardness material
- ✓ Available with conventional square or Manley's Bead Loc® single radius keeper grooves



Square Groove Part No.	Bead Loc® Groove Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Wgt / Grams
11948T-8	<i>11948TB-8</i>	Int.	2.020	.3415	.200 Longer	5.140	.290	10° x 3/8"	.080	.100	86
11452T-8	<i>11452TB-8</i>	Int.	2.055	.3415	Stock	4.940	.290	10° x 3/8"	.080	.100	85
11474T-8	<i>11474TB-8</i>	Int.	2.055	.3415	.100 Longer	5.040	.290	10° x 3/8"	.080	.100	86
11950T-8	<i>11950TB-8</i>	Int.	2.055	.3415	.200 Longer	5.140	.290	10° x 3/8"	.080	.100	87
11454T-8	<i>11454TB-8</i>	Int.	2.080	.3415	Stock	4.940	.290	10° x 3/8"	.080	.100	86
11400T-8	<i>11400TB-8</i>	Int.	2.080	.3415	.100 Longer	5.040	.290	10° x 3/8"	.080	.100	87
11402T-8	<i>11402TB-8</i>	Int.	2.080	.3415	.200 Longer	5.140	.290	10° x 3/8"	.080	.100	88
11404T-8	<i>11404TB-8</i>	Int.	2.080	.3415	.300 Longer	5.240	.290	10° x 3/8"	.080	.100	89
11408T-8	<i>11408TB-8</i>	Int.	2.100	.3415	.100 Longer	5.040	.290	10° x 3/8"	.080	.100	89
11410T-8	<i>11410TB-8</i>	Int.	2.100	.3415	.200 Longer	5.140	.290	10° x 3/8"	.080	.100	90
11412T-8	<i>11412TB-8</i>	Int.	2.100	.3415	.300 Longer	5.240	.290	10° x 3/8"	.080	.100	91
11456T-8	<i>11456TB-8</i>	Int.	2.100	.3415	.300 Longer	5.240	.290	12° x 7/16"	.080	.100	93
11462T-8*	<i>11462TB-8*</i>	Int.	2.100	.3415	.345 Longer	5.285	.290	12° x 3/8"	.080	.090	94
11462HT-8*	<i>11462HTB-8*</i>	Int.	2.100	.3415	.345 Longer	5.285	.290	12° x 3/8"	.080	.090	94
11414T-8	<i>11414TB-8</i>	Int.	2.100	.3415	.400 Longer	5.340	.290	10° x 3/8"	.080	.100	94
11416T-8	<i>11416TB-8</i>	Int.	2.100	.3415	.500 Longer	5.440	.290	10° x 3/8"	.080	.100	95
11446T-8	<i>11446TB-8</i>	Int.	2.100	.3415	.500 Longer	5.440	.290	12° x 7/16"	.080	.100	96
11434T-8	<i>11434TB-8</i>	Int.	2.100	.3415	.600 Longer	5.540	.290	10° x 3/8"	.080	.100	96
11442T-8	<i>11442TB-8</i>	Int.	2.125	.3415	.100 Longer	5.040	.290	10° x 3/8"	.080	.100	90
11418T-8	<i>11418TB-8</i>	Int.	2.125	.3415	.200 Longer	5.140	.290	10° x 3/8"	.080	.100	91
11420T-8	<i>11420TB-8</i>	Int.	2.125	.3415	.300 Longer	5.240	.290	10° x 3/8"	.080	.100	92
11422T-8	<i>11422TB-8</i>	Int.	2.125	.3415	.400 Longer	5.340	.290	10° x 3/8"	.080	.100	93
11424T-8	<i>11424TB-8</i>	Int.	2.125	.3415	.500 Longer	5.440	.290	10° x 3/8"	.080	.100	94
11448T-8	<i>11448TB-8</i>	Int.	2.125	.3415	.500 Longer	5.440	.290	12° x 7/16"	.080	.100	95
11436T-8	<i>11436TB-8</i>	Int.	2.125	.3415	.600 Longer	5.540	.290	10° x 3/8"	.080	.100	95
11470T-8	<i>11470TB-8</i>	Int.	2.125	.3415	.600 Longer	5.540	.290	12° x 7/16"	.080	.100	96

* Valves 11462T & 11462HT have a back cut of .090" x 30°.

LS-7 SMALL BLOCK CHEVY

TITANIUM INTAKE VALVES

- ✓ These valves have an inserted hard tip
- ✓ These valves have an O.E. style single radius keeper groove. Use valve lock P/N 13098-16



Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width/Angle	Back Cut Width/Angle	Wgt / Grams
<i>11958TB-8</i>	Int.	2.205	.3135	Stock	5.205	.290	12° x 3/8"	.065	.080/45°	.080/30°	78

Note: New part numbers are *ITALICIZED*.

SMALL BLOCK GM, FORD & CHRYSLER

TITANIUM INTAKE VALVES

- ✓ All valves have inserted hard tips
- ✓ "HT" suffix indicates higher hardness material
- ✓ Available with conventional square or Manley's Bead Loc® single radius keeper grooves

* Valve 11942HTB has a 52° seat.



Square Groove Part No.	Bead Loc® Groove Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Wgt / Grams
11428T-8	<i>11428TB-8</i>	Int.	2.150	.3415	.200 Longer	5.140	.290	10° x 3/8"	.080	.100	94
11430T-8	<i>11430TB-8</i>	Int.	2.150	.3415	.300 Longer	5.240	.290	10° x 3/8"	.080	.100	95
11432T-8	<i>11432TB-8</i>	Int.	2.150	.3415	.400 Longer	5.340	.290	10° x 3/8"	.080	.100	96
11458T-8	<i>11458TB-8</i>	Int.	2.150	.3415	.400 Longer	5.340	.290	12° x 7/16"	.080	.100	97
11426T-8	<i>11426TB-8</i>	Int.	2.150	.3415	.500 Longer	5.440	.290	10° x 3/8"	.080	.100	97
11450T-8	<i>11450TB-8</i>	Int.	2.150	.3415	.500 Longer	5.440	.290	12° x 7/16"	.080	.100	98
-----	<i>11496HTB-8</i>	Int.	2.150	.3110	.600 Longer	5.540	.290	12° x 3/8"	.080	.100	91
11438T-8	<i>11438TB-8</i>	Int.	2.150	.3415	.600 Longer	5.540	.290	10° x 3/8"	.080	.100	99
11460T-8	<i>11460TB-8</i>	Int.	2.150	.3415	.600 Longer	5.540	.290	12° x 7/16"	.080	.100	100
-----	<i>11460HTB-8</i>	Int.	2.150	.3415	.600 Longer	5.540	.290	12° x 7/16"	.080	.100	100
-----	<i>11498HTB-8</i>	Int.	2.150	.3110	.700 Longer	5.640	.290	12° x 3/8"	.080	.100	92
11476HT-8	<i>11476HTB-8</i>	Int.	2.150	.3415	.700 Longer	5.640	.290	12° x 3/8"	.080	.100	101
11466T-8	<i>11466TB-8</i>	Int.	2.180	.3415	.500 Longer	5.440	.290	12° x 3/8"	.080	.100	99
-----	<i>11494HTB-8</i>	Int.	2.180	.3110	.600 Longer	5.540	.290	12° x 3/8"	.080	.100	92
11468T-8	<i>11468TB-8</i>	Int.	2.180	.3415	.600 Longer	5.540	.290	12° x 3/8"	.080	.100	100
-----	<i>11468HTB-8</i>	Int.	2.180	.3415	.600 Longer	5.540	.290	12° x 3/8"	.080	.100	100
-----	<i>11488HTB-8</i>	Int.	2.180	.3110	.700 Longer	5.640	.290	12° x 3/8"	.080	.100	93
11486HT-8	<i>11486HTB-8</i>	Int.	2.180	.3415	.700 Longer	5.640	.290	12° x 3/8"	.080	.100	101
-----	<i>11942HTB-8*</i>	Int.	2.180	.3110	.800 Longer	5.740	.290	12° x 3/8"	.080	.080	94
11464T-8	<i>11464TB-8</i>	Int.	2.200	.3415	.600 Longer	5.540	.290	10° x 3/8"	.080	.100	100

SMALL BLOCK "ALL PRO" & BRODIX GB CYLINDER HEADS

TITANIUM INTAKE VALVES



- ✓ All valves are "HT" high temperature material with inserted hard tips
- ✓ All valves have Manley's Bead Loc® single radius keeper grooves
- ✓ "C" suffix indicates **Thin Film** seat coating (See page 52 for more details)

Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width/Angle	Back Cut Width/Angle	Wgt / Grams
<i>11960HTB-8</i>	ALL PRO	2.200	.3110	Stock	5.950	.300	10° x 3/8"	.080	.050/45°	.080/33°	90
<i>11962HTB-8</i>	GB 2000	2.200	.3110	Stock	6.090	.300	12° x 3/8"	.080	.050/45°	.080/33°	91
<i>11962HTBC-8</i>	GB 2000	2.200	.3110	Stock	6.090	.300	12° x 3/8"	.080	.050/45°	.080/33°	91
<i>11964HTB-8</i>	GB 2300	2.200	.3110	Stock	6.250	.300	12° x 3/8"	.080	.050/45°	.080/33°	92
<i>11964HTBC-8</i>	GB 2300	2.200	.3110	Stock	6.250	.300	12° x 3/8"	.080	.050/45°	.080/33°	92
<i>11966HTB-8</i>	GB 2300	2.200	.3110	Stock	6.250	.300	12° x 3/8"	.080	.050/52°	.080/33°	92
<i>11966HTBC-8</i>	GB 2300	2.200	.3110	Stock	6.250	.300	12° x 3/8"	.080	.050/52°	.080/33°	92

Note: New part numbers are *ITALICIZED*.

TITANIUM VALVES

VALVES

BIG BLOCK GENERAL MOTORS TITANIUM VALVES



- ✓ "H" suffix indicates higher hardness material
- ✓ Available with conventional square or Manley's Bead Loc® single radius keeper grooves

All part numbers without a "T" suffix do not include a hard tip. Tip protection is required. Manley wear cap P/N 42104 or 42104TM.

Square Groove Part No.	Bead Loc® Groove Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Wgt / Grams
11485-8	11485B-8	Exh.	1.840	.3415	Stock	5.440	.250	30° x 5/8"	.090	.075	98
11479-8	11479B-8	Exh.	1.880	.3415	Stock	5.440	.250	30° x 5/8"	.090	.075	100
11481-8	11481B-8	Exh.	1.900	.3415	Stock	5.440	.250	30° x 5/8"	.090	.075	101
11483-8	11483B-8	Exh.	1.900	.3415	.100 Longer	5.540	.250	30° x 5/8"	.090	.075	102
11480-8	11480B-8	Int.	2.250	.3415	Stock	5.250	.250	10° x 3/8"	.065	.075	89
11490-8	11490B-8	Int.	2.250	.3415	.100 Longer	5.350	.250	10° x 3/8"	.065	.075	90
11490T-8	11490TB-8	Int.	2.250	.3415	.100 Longer	5.350	.290	10° x 3/8"	.065	.075	90
11492-8	11492B-8	Int.	2.250	.3415	.250 Longer	5.500	.250	10° x 3/8"	.065	.075	91
11492T-8	11492TB-8	Int.	2.250	.3415	.250 Longer	5.540	.290	10° x 3/8"	.065	.075	92
11952-8	11952B-8	Int.	2.250	.3415	.350 Longer	5.600	.250	10° x 3/8"	.065	.075	93
11944T-8	11944TB-8	Int.	2.300	.3415	.100 Longer	5.350	.290	10° x 3/8"	.065	.075	94
11482-8	11482B-8	Int.	2.300	.3415	.250 Longer	5.500	.250	10° x 3/8"	.065	.075	95
11482H-8	11482HB-8	Int.	2.300	.3415	.250 Longer	5.500	.250	10° x 3/8"	.065	.075	95
11482T-8	11482TB-8	Int.	2.300	.3415	.250 Longer	5.540	.290	10° x 3/8"	.065	.075	96
11940-8	11940B-8	Int.	2.325	.3415	.250 Longer	5.500	.250	10° x 3/8"	.065	.075	96
11940H-8	11940HB-8	Int.	2.325	.3415	.250 Longer	5.500	.250	10° x 3/8"	.065	.075	96
11484-8	11484B-8	Int.	2.350	.3415	.250 Longer	5.500	.250	10° x 3/8"	.065	.075	97
11954-8	11954B-8	Int.	2.350	.3415	.350 Longer	5.600	.250	10° x 3/8"	.065	.075	99
11954H-8	11954HB-8	Int.	2.350	.3415	.350 Longer	5.600	.250	10° x 3/8"	.065	.075	99

DART BIG BLOCK PRO 1® & 320 / 360 HEADS TITANIUM VALVES

- ✓ "H" suffix indicates higher hardness material
- ✓ Available with conventional square or Manley's Bead Loc® single radius keeper grooves

Dart Big Block titanium valves do not come with a hardened tip. Tip protection is required - Manley wear cap P/N 42104 or 42104TM.

Square Groove Part No.	Bead Loc® Groove Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Wgt / Grams
11479-8	11479B-8	Exh.	1.880	.3415	Stock	5.440	.250	30° x 5/8"	.090	.075	100
11481-8	11481B-8	Exh.	1.900	.3415	Stock	5.440	.250	30° x 5/8"	.090	.075	101
11492-8	11492B-8	Int.	2.250	.3415	.250 Longer	5.500	.250	10° x 3/8"	.065	.075	91
11492T-8	11492TB-8	Int.	2.250	.3415	.250 Longer	5.540	.290	10° x 3/8"	.065	.075	92
11482-8	11482B-8	Int.	2.300	.3415	.250 Longer	5.500	.250	10° x 3/8"	.065	.075	95
11482H-8	11482HB-8	Int.	2.300	.3415	.250 Longer	5.500	.250	10° x 3/8"	.065	.075	95
11482T-8	11482TB-8	Int.	2.300	.3415	.250 Longer	5.540	.290	10° x 3/8"	.065	.075	96

Note: New part numbers are **ITALICIZED**.

PONTIAC PRO STOCK & DART BIG CHIEF TITANIUM VALVES

✓ "H" suffix indicates higher hardness material

✓ Available with conventional square or Manley's Bead Loc® single radius keeper grooves

All part numbers without a "T" suffix do not include a hard tip. Tip protection is required. Manley wear cap P/N 42104 or 42104TM.

Square Groove Part No.	Bead Loc® Groove Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Wgt / Grams
11921-8	11921B-8	Exh.	1.900	.3415	Stock	6.450	.250	30° x 5/8"	.125	.075	116
11923T-8	11923TB-8	Exh.	1.900	.3415	Stock	6.490	.290	30° x 5/8"	.125	.075	117
11920-8	11920B-8	Int.	2.400	.3415	Stock	6.600	.250	12° x 3/8"	.065	.075	112
11920H-8	11920HB-8	Int.	2.400	.3415	Stock	6.600	.250	12° x 3/8"	.065	.075	112
11922T-8	11922TB-8	Int.	2.400	.3415	Stock	6.640	.290	12° x 3/8"	.065	.075	113
11924-8	11924B-8	Int.	2.450	.3415	Stock	6.600	.250	12° x 3/8"	.065	.075	114

TOP FUEL, FUNNY CAR, TAD & TAFC TITANIUM VALVES

These valves do not come with a hardened tip. Tip protection is required - Manley wear cap P/N 42104 or 42104TM.

Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Wgt / Grams
11989-8	Exh.	2.000	.3415	.100 Longer	5.020	.250	25° x 3/8"	.085	.075	100
11956-8	Int.	2.375	.3415	.100 Longer	5.600	.250	25° x 5/8"	.065	.075	139
11994B-8*	Int.	2.400	.3415	.100 Longer	5.600	.250	25° x 5/8"	.070	.125	141
11998B-8*	Int.	2.400	.3415	.200 Longer	5.700	.250	25° x 5/8"	.080	.125	142

* Valves 11994B and 11998B have a Bead Loc® keeper groove. Bead Loc® valve locks are required.

Note: Manley Performance can custom build valves for any possible combination with a very short lead time. Please call your sales representative.

BRIGGS & STRATTON TITANIUM VALVES

* Dimensions are per customer specifications.

Part No.	Type	Head Diameter	Stem Diameter	Installed Height	O / A Length	Tip Length	Underhead Angle / Radius	Margin	Seat Width	Wgt / Grams
98031-1	Exh.	1.500 Max	.2475	*	4.800 Max	.235	5° x 5/16" Max.	*	*	
98030-1	Int.	2.000 Max	.2475	*	4.800 Max	.235	5° x 5/16" Max.	*	*	

Note: Manley Performance can custom build valves for any possible combination with a very short lead time. Please call your sales representative.

CUSTOM TITANIUM VALVES

Manley Performance can manufacture titanium valves for just about any application imaginable. Servicing your custom requirements is our specialty; we do it every single day and typically 8 pieces at a time.

We inventory an extensive selection of blanks in varying stem sizes with the stem coating correctly positioned to properly fit the multitude of aftermarket cylinder heads available. This allows us to maintain reliable and very reasonable turnaround times (typically 7-10 working days) throughout the year.

If by chance we don't have a blank in stock to match your particular application, then don't worry. We'll simply make it from one of our raw forgings. This will lengthen the lead-time to 6 weeks.

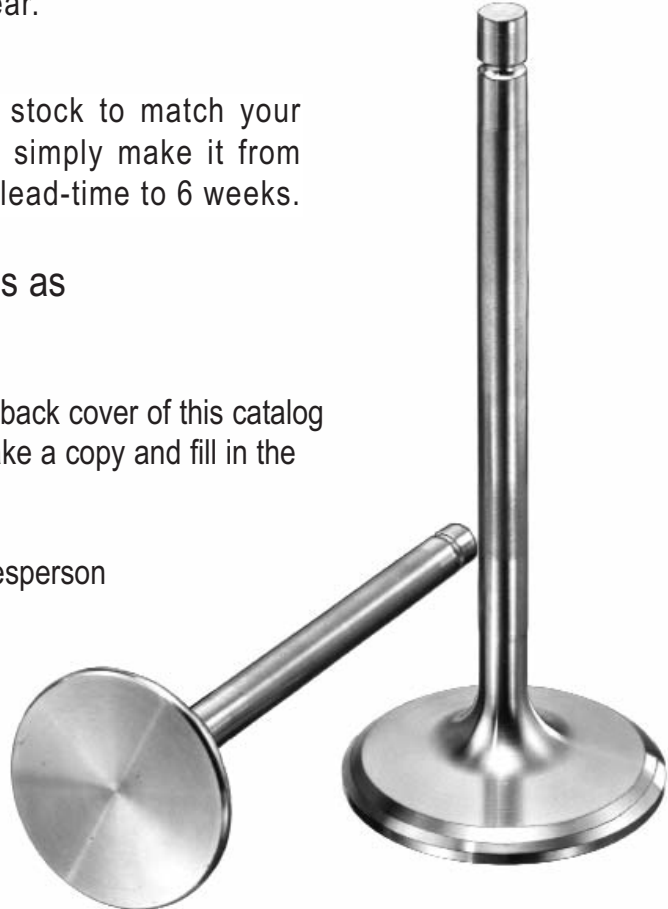
Ordering **Manley** custom titanium valves is as easy as 1 – 2 – 3!

1. Refer to the blank valve print on the inside of the back cover of this catalog or on our website under the custom valve tab. Make a copy and fill in the specifications of the valves you need.
2. Please contact your inside or outside Manley salesperson to review your order.
3. Fax your approved prints to the factory for processing, specifying your account number, a purchase order number and quantity.

For any stem size, any groove type, machined (dished) combustion faces or special head shapes and seat cuts, we're here to service your needs.

Ask your salesman about our special, lightweight "fluted dish" option on the combustion face of the valve.

Our customers' prints are proprietary and confidential.



Fluted Dish

CUSTOM HOLLOW STEM TITANIUM INTAKE VALVES

Manley Performance is proud to offer our customers hollow stem titanium intake valve technology.

- ✓ Precision gun drilling
- ✓ Smooth surface finish
- ✓ Generous corner radius, no stress raisers
- ✓ Able to utilize a hard steel tip on 5/16" and larger stem diameter valves
- ✓ Extremely Lightweight - 10-12% weight reduction
- ✓ Thin film coated seat face (optional)

Look no further for the ultimate hollow stem titanium intake valve. Easy to order and relatively fast turnaround times...

Ordering **Manley** custom hollow stem titanium valves is as easy as 1 – 2 – 3!

1. Refer to the blank valve print on the inside of the back cover of this catalog or on our website under the custom valve tab. Make a copy and fill in the specifications of the valves you need.
2. Please contact your inside or outside Manley salesperson to review your order.
3. Fax your approved prints to the factory for processing, specifying your account number, a purchase order number and quantity.

Our customers' prints are proprietary and confidential.



CUSTOM TITANIUM VALVES

VALVES

TITANIUM VALVE "THIN FILM" SEAT FACE COATING

Advantages:

- ✓ High hardness and lubricity dramatically improves valve seat face wear.
- ✓ Prevents "trenching" of the seat face which maintains combustion seal.
- ✓ Provides greater resistance to wear typically seen when valve float or dirt is present in the engine.
- ✓ Better seal between the valve seat face and the seat in the cylinder head equals more horsepower.

Contact your Manley salesperson for further details on how to order.



Brian Birkhofer
Pro Power Racing Engines